In The Matter Of:

United States vs.
PFC Bradley E. Manning

Vol. 15
July 8, 2013
UNOFFICIAL DRAFT - 07/08/13 Morning Session

Provided by Freedom of the Press Foundation

Min-U-Script® with Word Index

	1
1	VOLUME XV
2	IN THE UNITED STATES ARMY
3	UNITED STATES
4	vs.
5	MANNING, Bradley E., PFC COURT-MARTIAL
6	U.S. Army, xxx-xx-9504
7	Headquarters and Headquarters Company,
8	U.S. Army Garrison,
9	Joint Base Myer-Henderson Hall,
10	Fort Myer, VA 22211
11	/
12	
13	The Hearing in the above-entitled matter was
14	continued on Monday, July 8, 2013, commencing at 9:30
15	a.m., at Fort Meade, Maryland, before the Honorable Colonel
16	Denise Lind, Judge.
17	
18	
19	
20	
21	

DISCLAIMER

This transcript was made by a court reporter who is not the official Government reporter, was not permitted to be in the actual courtroom where the proceedings took place, but in a media room listening to and watching live audio/video feed, not permitted to make an audio backup recording for editing purposes, and not having the ability to control the proceedings in order to produce an accurate verbatim transcript.

This unedited, uncertified draft transcript may contain court reporting outlines that are not translated, notes made by the reporter for editing purposes, misspelled terms and names, word combinations that do not make sense, and missing testimony or colloquy due to being inaudible by the reporter.

	3	
APPEARANCES:		
MAJO	R ASHDEN FEIN	
CAPT	AIN ANGEL OVERGAARD	
CAPT	AIN JOSEPH MORROW	
ON BEHA	LF OF THE ACCUSED:	
DAV	D COOMBS, ESQUIRE	
MAJO	R THOMAS HURLEY	
CAPT	AIN JOSHUA TOOMAN	
	MAJO CAPT CAPT ON BEHA DAVI MAJO	APPEARANCES: ON BEHALF OF THE GOVERNMENT: MAJOR ASHDEN FEIN CAPTAIN ANGEL OVERGAARD CAPTAIN JOSEPH MORROW ON BEHALF OF THE ACCUSED: DAVID COOMBS, ESQUIRE MAJOR THOMAS HURLEY CAPTAIN JOSHUA TOOMAN

		4
1	INDEX	
2	July 8, 2013	
3		
4	WITNESS: Chief Joshua Ehresman Page	
5	Direct Examination 7	
6	Cross Examination 48	
7	Redirect Examination 73	
8		
9		
10		
11		
12		
13		
14 15		
16		
17		
-, 18		
19		
20		
21		

1	PROCEEDINGS
2	Motion for directed verdict 104 offense?
3	Second motion for directed 1030 verdict offense.
4	Three, motion for directed verdict 641 offenses,
5	accepting the USFI globe address list. And, four,
6	motion for directed verdict, the USFI global address
7	list.
8	(Issues with video feed)
9	(Playing video)
10	MR. COOMBS: Defense would request a
11	ten-minute comfort break.
12	THE COURT: Any objection?
13	MAJOR FEIN: No, ma'am.
14	THE COURT: Court is in recess until
15	quarter after 11:00.
16	(Hearing recessed at 11:03 a.m.)
17	(Hearing resumed at 11:20 a.m.)
18	THE COURT: The Court is called to order.
19	Let the record reflect all parties present when the
20	Court last recessed are again present in court.
21	Over the recess I was advised that the

```
media field was not working for the first 20 minutes
 1
 2
    approximately of the session that was last held and
 3
    some of the video that was played was not
    broadcasted in the media center; is that correct?
 4
                MAJOR FEIN: Yes, ma'am. United States
 5
    will make available during the lunch recess, Your
 6
 7
    Honor, a computer with the video with Defense
    Exhibit -- the Defense Exhibit available for members of
 8
    the media to view.
10
                THE COURT: The video, is that a
    prosecution exhibit?
11
                MAJOR FEIN: I'm sorry, it was P15 that was
12
13
    played.
14
                THE COURT: Any objection.
                MR. COOMBS: No objection, Your Honor.
15
16
                THE COURT: Is there anything else we need
17
    to address before we broad.
18
                MAJOR FEIN: No, ma'am.
19
                MR. COOMBS: Defense calls CW-2 Joshua
20
    Ehresman.
21
    Whereupon,
```

		8
1	Q And what was your duty position actually	
2	before the deployment to Iraq.	
3	A The fusion tech, sir.	
4	Q And can you explain what that was?	
5	A I was overall responsible for the products	
6	that come out of our shop, sir.	
7	Q And this was the intelligence products?	
8	A Yes, sir.	
9	Q And when did you actually deploy to Iraq?	
10	A In November of 2009, sir.	
11	Q And why were you deploying after?	
12	A Because I was going through surgery. I had	
13	surgery on both of my ankles and it prohibited me from	
14	leaving when they all left.	
15	Q Where did you work once you arrived in	
16	Iraq?	
17	A In the fusions.	
18	Q I want to ask you: You the fusion section,	
19	was that in the T-SCIF?	
20	A Yes, sir.	
21	Q I want to ask you a few questions about the	

21

Α

We would write on it what we had on that --

- what we put on that CD and when we were done with it we destroyed or recopied over.

 Q Were soldiers in the S2 authorized to burn information from their D6A computers down CDs?
- 5 A Yes, sir.

7

8

10

11

- Q And why would a analyst do that?
 - A Well, like we was talking about with the size of the products, sometimes we had to put them on that to transport them to another computer just in case it crashed or we go had to go to a different location to use that information, sir.
- Q Did you ever have any problems with the servers going down?
- 14 A Yes, sir.
- Q And was it common for analysts to burn information in order to have it on a CD to have it on their own library?
- 18 A Yes.
- 19 Q Was at the a permitted practice?
- 20 A Yes, sir.
- 21 Q Was it also common for an analyst to save

information down from a hard drive down to their 1 2 individual computer? 3 Yes, sir. By saving onto the computer's hard drive or 4 Q saving onto a CD, what did that enable you to do? 5 Well, if your computer crashed or it was 6 7 like a save, an automatic save. If something went wrong, the server went down, or the computer crashed, 8 you had your information and didn't lose it all and 10 have to start from scratch. It usually took 20 minutes to five hours to download one item. So it was terrible 11 12 to try to do it again. It was time. 13 So having on it CD that enabled you not to 14 have to rely upon the server? 15 Α Yes, sir, it was more expedient. Did the S2 section ever have any problems 16 0 17 with the D6A computers crashing? 18 Α Yes, sir, all the time. 19 How often would they crash? Q 20 All the time. I mean, some -- like the one Α 21 that PFC Manning used, it crashed at least daily.

1	Q What about our D6A?
2	A All of in them did, sir. Every single D6
3	crashed at least once every other day.
4	Q Did you work off of a D6A computer ?
5	A Yes, sir.
6	Q How many times did your D6A crash?
7	A Mine crashed at least once every two or
8	three days.
9	Q When an analyst's laptop would crash, what
10	would they do?
11	A We would have to move to another system
12	until we could get that one either fixed or running
13	back up, sir.
14	Q How long would it usually take to get the
15	computer fixed or working off another laptop?
16	A Depending on what was wrong with it,
17	sometimes we had to send them back to the main
18	(INAUDIBLE) and sometimes it could be fixed by
19	Mr. Millman or somebody local. Sometimes it just
20	needed to cool off.
21	Q Would you always get your information back

```
after your D6A crashed?
 1
 2
          Α
                No, sir.
 3
                Have you had any experience where you lost
 4
    information --
 5
                Yes, sir.
          Α
                 -- because of a D6A crashing?
 6
 7
                Yes, sir.
                 If an analyst wanted to, could they burn
 8
          Q
    information down onto a CD in order to avoid listing
10
    information in the event that their computer might
11
    crash?
12
          Α
                Why he is.
13
          Q
                Was that a permitted practice in the S2
    section?
14
15
          Α
                Yes, sir.
                And, Chief, you're doing fine. Have you
16
    ever testified before?
17
18
          Α
                Yes, sir.
                 If you could just let me complete my entire
19
20
    question. You're doing fine, but occasionally you have
21
    a yes or no before complete my question. Okay?
```

Yes, sir. 1 Α 2 Q Thank you, Chief. 3 Were there any rules on what an analyst could or could not burn down onto a CD? 4 5 Α No, sir. So if it was on the T-Drive, for example --6 7 what was a T-Drive, by the way? 8 Α That was the shared drive, sir. 0 If it was on the T-Drive, could an analyst 10 burn anything they wanted from the T-Drive onto a CD? 11 Α Yes. What about the SIPRnet, could an analyst 12 13 burn something down from the SIPRnet onto a CD? 14 Α Yes, sir. 15 Was it common for analysts to do so? Yes, sir. 16 Α 17 Do you recall if the S2 section ever put 18 out any rules or guidance as to what you could or could not burn down onto a CD? 19 20 No, sir. Α 21 Q I want to ask you a few questions now about

how the S2 section was divided up during the 1 2 deployment. Okay? 3 Yes, sir. How many times analysts did you have 4 Q 5 working in the T-SCIF? Completely I think we have three. 6 I think 7 it was nine or ten, sir, enlisted. 8 Did you have a current ops and a future Q 9 ops? 10 Α Yes, sir. And where was the current ops located? 11 12 Current ops was out in the top area where 13 everything was going on and the SCIF was in the back. 14 Q And I guess in the back is that where the 15 future ops was? 16 Α Yes, sir. 17 And what did analysts work on when they 18 were working in the future ops? 19 In the future ops they worked on Α 20 establishing trends and identifying patterns. 21 What section did PFC Manning work in? Q

Future ops, sir. 1 Α 2 Were the products that PFC Manning was 3 working on, were they used for real-time on the 4 battlefield decisions or were they the used for kind of establishing trends for future operations? 5 Both, sir. 6 Α 7 How were they used for real-time information? 8 9 Α Well, if something happened that-an ID or 10 some kind of action happened, the troops in contact, then when we established something to our pattern 11 12 analyst we could give that to the current ops and let 13 them know that this is probably going to happen because of what we've seen in the past. 14 15 0 Okay. So that would be something that happens on the battlefield (INAUDIBLE) alerts to it and 16 you would do some research on it? 17 18 Α Yes, sir. 19 And what about for future ops, how would Q 20 his work products be used for those? 21 Α So we could better establish TTPs, or

tactics, techniques, and procedures to alert soldiers 1 2 that were going out and leaders that were going out to 3 give them a better understanding of the battlefield, sir. 4 How many shifts did the T-SCIF run? 5 0 6 When I first got there, there was two, 7 there was a day and a night shift, sir. Do you recall -- I know it's been a little 8 Q while, but do you recall the general hour time periods 10 for the day and night shift? 11 I'm pretty sure it was 09 to 21 and then 21 12 to 09. I think that's what it was, sir. 13 Q So 09 and 21 the day shift and 21 to 09 the night shift? 14 15 Α Yes, sir. 16 How many analysts, I guess, were on each shift? 17 18 We had two -- five enlisted and one officer, maybe one NCO on each shift, sir. 19 20 Do you recall what shift PFC Manning was on Q

21

when they started?

Night shift, sir. 1 Α 2 And who were his supervisors on the night shift? 3 We were when we were deployed his 4 Α supervisor was Specialist Paggent was his immediate 5 supervisor. 6 7 Did you have a NCO on the night shift? Α No. Well, we had (INAUDIBLE) Atkins was 8 working both, but I don't remember anybody else. 10 Q Did you have an OIC on the night shift? We did at first we had I think it was 11 12 Captain Keay was the original OIC at night, but after 13 the chain of command got shifted up and when (INAUDIBLE) had to leave and we had to switch that up a 14 15 little bit. Do you have if an officer replaced him? 16 Q 17 No one replaced him directly, sir. 18 0 How long -- and I know again this is a while ago, but how long was Captain Keay the NCOIC on 19 20 the night shift? 21 Α Maybe two months, sir.

Going back to the NCOIC, the night NCOIC, 1 what were their responsibilities? 2 3 Α Just to make sure that the direction that was provided to them at shift change was conducted and 4 then make sure that the soldiers got chow and 5 everything, sir. 6 At least for the night shift did I 7 understand you correctly that it was a specialist and 8 9 not an NCO? 10 I know there was an NCO there at first, but 11 somewhere in that -- where we had to go through a lot 12 of changes we lost the NCO and Specialist Paggent had 13 to step up and be the NCO. 14 With regard to the night shift analyst, 0 15 what were they generally tasked to do? 16 Α Our catch up work basically, sir. 17 were -- they had to provide the stuff that we couldn't 18 attend to during the day because of the uptempo. 19 Q Can you give the Court an example of what 20 that would be? 21 Α A data mine or consolidation of a specific

- attack or a specific event in a certain area by a certain group.
- Q Do you recall what work specifically PFC Manning did on the night shift?
- 5 A He did that, sir.
- Q Did he ever do anything dealing with the
 7 Iragi elections?
- 8 A Well, for trends, yes, sir. For trends of 9 the past elections, yes, he gathered that.
- Q And, again, any in kind of a general
 unclassified description of would be doing on
 the night shift?
- 13 A For the elections or?

15

16

17

18

19

20

- 14 Q For the elections, yes.
 - A For elections, sir, we would find trends that happened during the last elections and see if we could set up something to identify the people that were going to participate in this election so they would have some kind of idea of what might happen or indicators.
- 21 Q And if he wasn't working on that did he

ever do anything dealing with counter IAD? 1 2 Yes, sir. 3 0 And, again, in a general unclassified description, what would he be doing with regards to 4 5 counter ID? Techniques and procedures, tactics, 6 Α 7 techniques, and procedures. As he's doing that, can you describe in 8 0 general what that product might look like when he was done and turned it in? 10 We had density plots. We had maps. We had 11 12 examples of things that had happened. I mean, there's 13 a myriad of things that we did for predicting what we 14 thought would happen or how it would happen. 15 0 You said density plots, what are those? It's basically a map of the area and it 16 17 would have colors from the intensity or the amount of 18 attacks that we had in that specific area, and that's a density plot, sir. 19 20 So if there was a lot of attacks in that 21 specific area it would be red and the lighter the

2 that would be a density plot. 3 0 And you had earlier said the term data mining, what is data mining? 4 That's pulling everything you can from 5 Α 6 every bit of intelligence assets you've got to help 7 build your products. Would you expect (INAUDIBLE) list of data 8 Q mining? 10 Yes, sir. Α 11 0 Why is that?

colors got back to green there would no attacks.

1

12

13

14

15

18

- Because you can't go off one source of intelligence to predict something to happen. You have to have other stuff that indicate that it's going to happen. You can't just guess.
- Where do analysts obtain their information 16 Q 17 that they're data mining?
- Α Everywhere, sir. We got them on the SIPR, we got them from the T-Drive. We got them from 19 20 wherever we could, open source, anything.
- 21 Q And correct me if I'm wrong, when I think

```
of the term data mining, what you just described, is
 1
 2
    basically an analyst looking at everything and anything
 3
    that they can, at any location just to kind of figure
    out would this perhaps be relevant to what I'm doing,
 4
    is that correct, or would you provide a different
 5
    definition for it?
 6
          Α
                Yes, sir.
 7
                Yes, sir, that's --
 8
 9
          Α
                 That's correct. You're trying to find out
    yes or no this is going to happen, and, yes, this is
10
    how it's happened and this is why it's happening. So
11
12
    you have to confirm or deny your assessment.
13
                Now, with regards to I guess when you're
14
    doing this was the any guidance put out that if your
15
    you're data mining you can do everything but go to this
    particular area on SIPRnet?
16
                No, sir.
17
          Α
18
                So were there any restrictions on what you
    would data mine on SIPRnet?
19
20
                No, sir.
          Α
```

Was it common for a soldiers or analysts to

21

Q

```
data mine?
 1
 2
          Α
                Yes, sir.
 3
          0
                Did analysts also use open source
    information?
 4
          Α
                Yes, sir.
 5
 6
          0
                And what is open source information?
          Α
                That's regular Internet, sir.
 7
                How would an analyst use an open source?
 8
          0
 9
          Α
                We would get on and check out the web pages
    or you can check out local newspaper or it's anything
10
    that doesn't come through our secret or higher
11
    confidential webs.
12
13
                And, again, in kind of a general
14
    description, how would open source information help
15
    your work products?
                 Sometimes some of the media had information
16
17
    that we didn't find out through our patrols or
18
    something. We could get patrol report and they would
19
    have outside information or a different point of view
20
    from what happens. So we would use that in our
21
    assessment, sir.
```

And were analysts encouraged to use open 1 Q 2 source information for their work products? Α 3 Yes, sir. Was there any sort of restriction placed 4 out by the S2 section of you can go to every place 5 besides these sites on open source? 6 7 There was no restriction, sir. Q Did analysts ever use the CIDNE database? 8 Α Yes, sir. 10 Can you explain what the CIDNE database is Q 11 in general? Every kind of action or any kind of report 12 Α 13 put on so that specific database. How many -- I guess, well first of all, 14 0 SigActs is that one of the databases on CIDNE database? 15 16 Α Yes. 17 How many our databases besides SigActs is 18 in CIDNE? 19 I know there's five at least that's on Α 20 their, sir, but there's a lot. 21 With regard to the CIDNE?

1	THE COURT: Five what?
2	THE WITNESS: There's five different key
3	areas that you can check from.
4	BY MR. COOMBS:
5	Q With regards to those areas, so you have
6	SigActs at one area, do you recall any other of the
7	areas?
8	A Yes, sir. There's IADs, there's small arms
9	fire, there's kidnapping, arson, criminal activities.
10	Q And on each of those areas if you went to
11	that database you would find information in it I guess?
12	A Yes, sir.
13	Q Are we talking a little information or a
14	lot of information?
15	A Every bit of information that they had on
16	that event, sir.
17	Q And what about the size of the database for
18	the CIDNE database?
19	A The report could be one sentence long or it
20	could be 50 or 60 pages long.
21	Q Are you familiar with the center for Army's

lessons learned? 1 2 Yes, I am, sir. 3 0 What is your, I guess, understanding of center for Army's lessons learned? 4 Α That's where people write in information 5 that they have discovered or tactics or whatever to 6 7 help other people understand what we're fighting or to get better. 8 9 0 Is the CIDNE database something like that? 10 Α No, I don't think so, sir. 11 0 And why not? Well, the CIDNE database is a historic 12 13 record of everything that we have reported, where the 14 center of Army lessons learned is things that we've identified how to counteract them or to help us. 15 So SigAct, correct me if I'm wrong, then 16 17 the CIDNE database would be an historical account of 18 what happened and the Center for Army's lessons learned 19 would be a lessons learned based upon what happened and 20 how we can change for the future?

21

Α

Yes, sir.

Q How does a SigAct -- if you know, how does a SigAct get into the CIDNE database?

- A There's a couple of different ways it could get put into there, but usually it's a report that's put in from (INAUDIBLE) and a patrol they could have a patrol debrief or something and they could be in place by a person that has administrative rights.
- Q So let's go ahead and kind of describe this out. Some if I'm a unit and I'm going down a main supply route and I take in some enemy contact and I call that in, can you, from that point, kind of walk forward of what just happened to me and my unit on this main supply route that might eventually end up on the CIDNE database?
- A Yes, sir. Every report that is established from that incident will eventually make it onto CIDNE. They'll go from that initial report can be submitted to that TOK to that brigade, and that brigade administrator will put that in the CIDNE database and then as well as the patrol debriefs and any other thing that follows that incident they're written up summary

```
of what happened will go, be reviewed, and then it will
 1
 2
    be placed in a CIDNE so other people can look at it and
 3
    learn what happened.
                Does a SigAct go through a period of time
 4
          Q
    where it's being changed once it's been initially
 5
 6
    reported?
 7
                 There is two weeks before they get put on
    there, at least two weeks before a CIDNE act is on
 8
    their, sometimes they can be altered up to, you know, a
10
    couple of months.
11
                And when a SigActs is finally put into the
12
    CIDNE database, is it automatically classified or do
13
    you know?
14
          Α
                I don't know, sir.
15
                Do you know how a SigActs is or is not
    classified?
16
17
                No, sir.
          Α
18
                From your standpoint, are you -- do you
    know if a SigActs always classified as secret or
19
```

20

21

something else?

Α

Out of the assumptions I always assume that

they are secret because it's on a secret net, sir. 1 2 Do you know if there's anything top secret? 3 Α No, sir. There's nothing top secret? 4 Q Α No, sir. 5 Do you know if SigActs contain names of key 6 7 sources that are working with our government? Α Not names, sir. 8 0 And why not? 10 Α Because that is a little bit higher level 11 of clearance, sir. 12 From your standpoint, do SigActs eventually become dated more of a historical records? 13 14 Α Yes, sir. 15 And when SigActs became dated more of a historical record, are they still useful to you as an 16 17 analyst? 18 Α Yes, sir. 19 Q How so? 20 If I see something that's trending a Α 21 specific way, going back to something I've identified

- in the past, I can refer back to that and someone might 1 2 be using that. Maybe a detainee was released recently 3 and he's back to what he was doing. So now I know what he was going to do based on what he did on those 4 historical findings, sir. 5 And after the SigActs in this case were 6 7 posted on line in open source, did you continue to use SigActs as intel analysts. 8 9 Α Yes, sir. 10 Q And why? 11 Because they're just historic references, 12 sir. 13 Could you still use the SigActs that were 14 now available online? When I say online, open source 15 unclassify to establish trends in your work? 16 Yes, sir. Α
- 19 A Yes, sir.

make connections?

17

18

Q Did it change how you used the SigActs once they were released by Wikileaks?

Could you still use those same SigActs to

No, sir. 1 Α 2 And why not? 3 Α Because it's just historical information. They don't know the process and the things that we do 4 to make that information into our products. Although 5 it's the same thing that we know what happened. 6 7 Do you know if the SigActs within the CIDNE database stay secret forever? 8 9 Α I don't know, sir. 10 I want to ask you a few questions now about 11 PFC Manning's work performance as an analyst. Okay? 12 Α Yes, sir. 13 Were you able to view his duty performance 14 while he was deployed? 15 Α Yes, sir. And how so? 16 Q 17 While I was deployed I intermingled with 18 him a few times because my job is to oversee and make sure that everybody was doing the right stuff and make 19 20 sure that the products were exactly what our boss and our boss' boss would like. 21

And based upon your ability to view his 1 Q 2 performance, what was your assessment of his work 3 performance? 4 Α It was good. And can you explain. You thought he was 5 0 good? 6 7 He was our best analyst by far when it came to developing products. Anything you would ask him, 8 most soldiers you would have is to spell it out exactly 10 what they had to do. With Manning you would just give 11 him, hey, this is what I'm thinking. He would bounce a 12 couple of things off of you and come up with exactly 13 what you're looking for. 14 And with regards to his work products, what 0 15 he actually gave you at the end, how did you assess those in quality? 16 17 The best, sir. (INAUDIBLE) He was our 18 go-to guy for that stuff. 19 Can you give an example just again in Q 20 general unclassified description what type of product 21 you would actually hand to you?

1	A I don't know the line of classification of
2	where we would go, but it would be very detailed and
3	everything outlined.
4	Q Did you ever hear anyone complain about PFC
5	Manning not being able to complete work on time?
6	A One time, and that was the Showman event.
7	Q So other than that no problems with him
8	completing work?
9	A No, sir.
10	Q How was PFC Manning's productivity level
11	compared to other analysts during the deployment?
12	A His was higher than everyone else's in the
13	shop, sir.
14	Q Did you ever notice a drop in his
15	productivity level in say March or April of 2010?
16	A No, sir.
17	Q How would you describe PFC Manning's
18	computer literacy?
19	A It was very high.
20	Q Why do you think that?
21	A Well, our conversations with his background

on computer knowledge and then his demonstrations of 1 utilizing the systems that we had in place, sir. 2 3 0 Would you say that PFC Manning was knowledgeable on the systems that you had on the D6A 4 5 computer? Yes, sir. 6 Α 7 And why do you believe that? Α Because of the products that he came up 8 9 with, sir. 10 Did PFC Manning ever assist others with the Q 11 programs that are on they're D6A computers? 12 Α Yes, sir. 13 Can you explain why you believe that? 14 Α Well, I mean soldiers like Loraina, she 15 could have difficulties understanding how to make our 16 density plots and PFC Manning would show them, okay, 17 all you had to was this and this and thank you and they 18 would go back to doing what they do. He was always our go-to guy for a lot of our shops, sir. 19 20 Loraina? Q 21 Α Specialist Espean.

1	Q With regards to just experience level as an
2	analyst, was PFC Manning a very experienced analyst?
3	A Not an experienced analyst, no, sir.
4	Q Was he still at a stage from your
5	estimation that he had a lot to he learn as an analyst?
6	A Yes, sir.
7	Q How long does it take to become basically
8	an expert analyst?
9	A It depends on the person and their
10	personality, sir.
11	Q In your experience from an analyst leaving
12	the AIT training to the point which they become an
13	expert where would you say that person is an expert
14	analyst, about how long does it take to get to that
15	point, in general?
16	A It depends on the individual, sir, because
17	some people never reach that point where like they
18	don't understand what they're doing and some people
19	they come straight out of AIT and they're amazing.
20	It's an individual base, sir.
21	Q And based upon your observation, you said

2 he weak as an analyst? 3 In his assessment, sir. Can you explain why you thought that? 4 Sometimes our junior analysts jump to 5 Α 6 conclusions before they actually vented it through 7 everything, every source. They would use one or two sources and then jump to a conclusion, instead of using 8 all of the sources and then bouncing it, you know, with 10 your partners and find out, okay, we both agree or we 11 disagree and this is why, and that's his socializing,

that PFC Manning still had a lot to learn. Where was

- Now, what programs would analysts use on their D6A computers to conduct their data mining?
- 15 Α We had mapping. We had CIDNE. We had 16 Humity reports, SigAct reports.

that's where it failed him a little bit.

- One of the programs on the D6A computer did 18 you have mIRC Chat?
- 19 Yes, sir. Α

1

12

13

14

17

20 And was mIRC Chat, from your understanding, 0 21 part of the baseline package for the D6A computer or

```
something that needed to be added?
 1
 2
                When I was there they all had it. I don't
 3
    know if they were added in between the time 10th
 4
    Mountain got there and when I got there, but when I was
 5
    there they were all on.
                And when you were opening -- first of all,
 6
    did you need mIRC Chat to do your job?
 7
 8
          Α
                Yes.
 9
          0
                Why?
10
          Α
                So you could contact other units, other
    companies, other battalions and it was an immediate
11
12
    response to an analyst at that other end.
13
          0
                You said that when you got you thought that
14
    I mIRC Chat was on everyone's computer. Let's talk
15
    about your computer. How was mIRC Chat on your
16
    computer?
17
                It was a little pop up symbol on my
18
    computer. I just double click it and it opened up,
19
    sir.
20
                Was it on your desktop?
          Q
          Α
21
                Yes.
```

1	Q Do you know what an executable file is?
2	A Somewhat, sir.
3	Q What is your understanding of an executable
4	file is?
5	A It's something that can function on its
6	own, sir. It's a program.
7	Q Did the S2 section allow analysts to run
8	executable files as a shortcut from the desktop to
9	their computers?
10	A They're not allowed to put them on the D6A,
11	and nothing was allowed to be downloaded onto the D6A
12	without permission from Mr. Millman or a D6A operator
13	before you we were allowed to put shortcuts that go to
14	our CDs or something or a quick reference.
15	Q I want to make sure I understand you
16	correctly because we talked about this on several
17	occasions, correct?
18	A Yes, sir.
19	Q Do you recall telling me that analysts, S2
20	sections, that analysts could run executable files from
21	the desktop of their computer as long as it was a

```
shortcut?
 1
 2
          Α
                The shortcuts they could, yes, sir.
 3
          0
                When you say shortcut, so if I have an
    executable file put on it as a shortcut on my desktop
 4
    of my D6A computer and what is that?
 5
                It's a quick link to it, sir. It's like a
 6
 7
    link you click on it and it goes straight to that file
    and opens it up.
 8
 9
          Q
                Do you recall the S2 section saying that
    analysts were --
10
                MAJOR FEIN: Objection, Your Honor,
11
12
    leading.
13
                THE COURT: Sustained.
14
                MR. COOMBS: Okay, Your Honor, can I
15
    complete the question and then I don't believe it is?
16
                THE COURT: Go ahead and complete the
17
    question.
18
                MR. COOMBS: Thank you.
19
                BY MR. COOMBS:
20
          Q
                Do you recall the S2 section indicating
21
    that analysts were allowed to run executable files from
```

```
a CD on their D6A computer?
 1
 2
                THE COURT: I'm going to overrule on --
 3
    just a minute.
                Overruled. Go ahead.
 4
                MAJOR FEIN: Objection, Your Honor,
 5
 6
    hearsay.
 7
                THE COURT: Say the one more time.
                MR. COOMBS: Do you recall the S2 section
 8
    allowing analysts to run executable files from a CD on
10
    their D6A computer?
11
                THE COURT: What is the Defense's response
12
    to the government's hearsay objection?
13
                MR. COOMBS: In this instance not offered
14
    for the truth, it's relevant solely from the standpoint
15
    of what was put out for analysts to understand. One of
16
    the charges in this case is the government charging PFC
17
    Manning for using an executable file on his computer.
18
    You know, in this instance it's (INAUDIBLE).
19
                THE COURT: I'll allow him to answer the
    question. Go ahead.
20
21
                THE WITNESS: As long as it was not
```

```
downloaded to the actual D6A we could use it. If it
 1
 2
    was on a CD, yes, we could.
 3
                BY MR. COOMBS:
          Q
                And when were you informed that as long as
 4
    it was on a CD you could run an executable file?
 5
 6
                When I was trying to download a program on
    it to it sometime in December and I had a conversation
 7
    with Mr. Millman who said we couldn't download anything
 8
    to the actual D6A because it owned by somebody else,
10
    but we could keep it on a CD. So if it was not
    download to the D6A (INAUDIBLE).
11
                With regards to the use of executable
12
13
    files, did anyone in the S2 ever put out guidance that
14
    using an executable file in a CD was against the
```

16 A No, sir.

authorized user agreement?

15

17

18

19

20

21

Q Did anyone in the S2 section put out guidance that putting a shortcut for an executable file on the desk of your D6A computer was against the user agreement?

A No, sir.

```
And you indicated you actually had put,
 1
          Q
 2
    used an executable file from a CD on your D6A computer?
 3
          Α
                No, I tried to but you needed an
    administrative password that's why I went to Mr.
 4
 5
    Millman to try to get that done.
 6
                 To put it on the computer?
 7
          Α
                Yes, sir.
                How about to run it from your CD?
 8
          Q
 9
          Α
                I didn't have any problems with that, sir.
          Q
                And that was an executable file from your
10
11
    CD?
                Yes, sir.
12
          Α
13
                With regards to the D6A computers, were
14
    analysts allowed to listen to music on their D6A
15
    computers?
16
          Α
                Yes, sir.
17
                Did you have music in the T-SCIF?
          0
18
          Α
                Yes, sir.
                And where did the music come from?
19
          Q
20
                 Some of it came from the T-Drive.
          Α
                                                     They had
21
    lot lots and lots of music from there, and some were
```

from people's personal CDs, sir. 1 2 With regard to the T-Drive, how much 3 information was on the T-Drive, if you know? I don't know, sir. 4 Α Did you ever look to see how much music was 5 0 on the T-Drive? 6 7 I know it was more than enough to overload your computer. If you opened up and try to download 8 even half of it your computer would shut down. would turn off immediately. 10 11 Did anyone say that listening to music on 12 your D6A computer was against the user agreement? 13 Α No, sir. 14 Were analysts allowed to watch movies in 15 the T-SCIF? 16 Α Yes, sir. Where did these movies come from? 17 18 Sir, some of them came from the salesmen outside and some of them came from the PX, some of them 19 were on the actual T-Drive as well. 20 21 Q And these movies were allowed to be brought

- into the T-SCIF? 1 2 Α Yes, sir. 3 0 Did anyone in the S2 section say that bringing movies into the T-SCIF was against the user 4 5 agreement? 6 Α No, sir. 7 With regards to the T-SCIF, where did you fall in the I guess the hierarchy of responsibility in 8 9 the T-SCIF? 10 In the T-SCIF I had no responsibility over Α the soldiers, just over the products. 11 12 So can you give us an idea of the chain of 13 command just in the T-SCIF? It was the soldiers, their shift, NCOIC of 14 Α 15 OIC, whichever it was and then OIC, the two. And where did you just within the S2 16 0 17 section, I understand you say you had no responsibility
- 20 A I was overall in charge of all of the 21 output from the fusion center.

for soldiers where did you fall in seniority just in

18

19

the S2 section?

And when you say that, can you explain what 1 Q 2 you would be responsible for? 3 Α All of the products went through me and it all went through me -- it all went though me somehow. 4 It either came back through me or out through me. And 5 so if it was briefed to the commander or anybody higher 6 it would come to me for QAQC. 7 QAQC is quality assurance and quality 8 Q control? 10 Yes, sir. Α 11 With regards to the soldiers, even though 12 they wouldn't working for you directly as far as you 13 having direct oversight of them per se, everything they 14 did went through you? 15 Α Yes, sir. 16 And from your standpoint I guess as the 17 fusion OIC, would that be your position? 18 Α Yes, sir. 19 Did you see anything in the T-SCIF when soldiers used games, music, or movies, or executable 20 21 files that was against the user agreement, from your

perspective? 1 2 Α I didn't, no, sir. 3 0 Let me ask you a couple of questions about terms used by analysts in their work product. Okay? 4 Α Yes, sir. 5 6 Can you tell me what an intelligence gap 7 is? It's information that we don't have, that 8 Α we do not have at that time. 10 And what would you call if you don't have Q it, that's something you don't know or just something 11 12 you're unsure of? 13 It's something that we might have an idea 14 about, but we don't have -- we don't know for sure what it is. 15 When would you use the term intelligence Q 16 17 gap in a work product? 18 Α If you didn't have the answer for who, what, when, why or one of the five Ws or something. 19 20 If you had actual knowledge of a particular Q 21 fact, would you call that fact an intelligence gap?

- 14 First off, a person in order to access 15 SIPRnet, you had to have a security clearance, correct?
- 16 Yes, sir. Α

1

2

3

4

5

6

7

8

9

10

11

12

13

18

Honor?

- 17 And information is presumed to be secret that's on SIPRnet?
- 19 Α Yes, sir.
- 20 That includes the databases on SIPRnet? Q
- Yes, sir. 21 Α

Yes, sir. 1 Α 2 The mission was to share U.S. classified 3 information with the Iraqis? Α It was -- well, there's different levels of 4 secret, sir; but there's releasable to, and if those 5 were releasable to Iraqis then we would use that, sir. 6 And who makes that determination? 7 Either the user that puts it in or the Α 8 classification identifiers. 10 Sure, but the person who is burning it onto Q a CD and ultimately sharing with the Iraqis, is that a 11 foreign disclosure officer? 12 Yes, sir. 13 Α 14 0 And are those specific trained individuals? 15 Α Yes. Who are the foreign disclosure officers in 16 Q 17 the S2 shop? 18 Α Lieutenant Airs and myself. 19 And it was your responsibility to review Q 20 information before it went to the Iraqis? Yes, sir. 21 Α

1	Q What other classified information burned
2	from SIPRnet was allowed out of the SCIF?
3	A If we needed to go to any other FOB or any
4	other location that was required to pass that
5	information to them, that's when it was
6	Q Does that include the soldiers CHU?
7	A Yes, sir.
8	Q They're individual CHU they could take
9	classified on a CD to their individual CHU?
10	A I don't think that was practice, but I
11	don't see how that would have been stopped.
12	Q I'll get to that in a moment whether it
13	could be stopped or not?
14	A Right.
15	Q Was anyone in your office that you knew
16	about authorized to burn classification information
17	from the SIPRnet onto a CD and take it to their CHU?
18	A The OIC and NCOIC were allowed to, sir.
19	Q What the purpose of that?
20	A Because they have SIPR connections.
21	Q So they actually had a work place in their

```
CHU that had secret connections?
 1
 2
          Α
                 Yes, sir.
                 Did others have?
 3
          0
          Α
                 No, sir.
 4
                 Others in the brigade have that?
 5
          Q
                 Yes, sir.
 6
          Α
                 Like who?
 7
          Q
          Α
                 The OICs, I think the S6 as well, and the
 8
    battalion commander, brigade commander.
10
          Q
                 Did you have that in your CHU?
11
          Α
                 No.
                 Did you have classified information in your
12
          0
13
    CHU?
14
          Α
                 No, sir.
15
                 Did a junior enlisted have classified
    information in their CHU?
16
17
          Α
                 No, sir.
18
                 Was anyone who burned a CD from SIPRnet
19
    with classified information on it they were allowed to
20
    take it to their CHU and put it on to the Internet for
21
    the whole world to see, were they?
```

No, sir. 1 Α Was there a rule written down in any SOP or 2 3 was that briefed during any meeting at the SCIF? Α As far as intelligence being put on to an 4 unclassified system? We learned that in AIT and every 5 time we go to a duty station, sir. 6 7 Was that something that was commonly known within the brigade as to SCIF. 8 9 Α It was commonly known throughout the whole 10 intelligence community. Why do you focus on the intelligence 11 12 community versus even the whole Army? 13 If they had a clearance then they 14 understand that, sir. 15 And everybody in the intelligence community has a clearance? 16 17 Yes, sir. 18 Everyone in the intelligence community, especially 210 Mountain at that time when you deployed 19 20 with PFC Manning their job was to handle classified 21 information all the time, correct?

Correct, sir. 1 Α 2 So let's go through these restrictions on What were the restrictions on SIPRnet? 3 SIPRnet. No, sir. 4 Α 5 But you had to have the ability to be on 0 SIPRnet? 6 7 Α Yes. Q So you had to have a clearance? 8 9 Α Yes. 10 Would you consider a clearance a Q restriction? 11 12 Α Right. Everybody had a clearance. 13 0 On SIPRnet? 14 Α Everybody in our shop had a, you know, 15 like --So when you testified earlier no 16 Q 17 restriction on SIPRnet, you meant for individuals in 18 your shop, what they did on SIPRnet? 19 Α Yes. 20 Could anyone offer the treat do anything think want to do SIPRnet? 21

```
Α
                No.
 1
 2
          0
                Why?
 3
          Α
                Because they didn't have the access or
 4
    clearance.
 5
          0
                Now, let's talk about SIPRnet itself. You
    mentioned a bunch of different databases. Without your
 6
    repeating them all, if you could -- you would agree
 7
    that if you could get to the information on SIPRnet
 8
    with a clearance then you could access that
    information?
10
11
                Yes, sir.
12
                And you had the D6A system as the system
13
    provided to you as an intelligence analyst by the Army
    to do that?
14
15
          Α
                Yes, sir.
16
                You had programs on the D6A computer to
          Q
17
    help you do that?
18
          Α
                Yes.
19
                You had the SIPRnet Internet to help you do
20
    that?
21
                Yes, sir.
          Α
```

```
To the best of your memory, no soldier in
 1
          Q
 2
    your S2 stop as you mentioned you were not technically
 3
    in charge of any of them, but to the best of your
    memory no one was authorized to use classified
 4
    information for personal use?
 5
 6
          Α
                 Yes, sir.
 7
                Now, let's talk about D6A. D6A was the
    computer system you were provided, correct?
 8
 9
          Α
                 Yes, sir.
10
                 What was the first system when you joined
11
    the Army that you used as a junior enlisted analyst.
12
          Α
                 The ASAF, sir.
13
          Q
                 Was that the predecessor to the D6A?
14
          Α
                 Yes.
15
          0
                 Did that run on a classified network?
                Yes, sir.
16
          Α
17
                Again, did D6A replace that?
          Q
18
          Α
                Late nineties.
19
                 In your own words for the Court, how do you
          Q
20
    describe D6A, the system?
21
          Α
                 It's just a consolidated -- a computer with
```

everything on it that we need as analysts. 1 2 So everything you need as an analyst? 3 Α Yes, sir. What are of -- so the programs that the 4 Q 5 Army and you use as an analyst. What are their names? The ones that we identified. There's 6 7 mapping. There's different maps that they change throughout the years. 8 9 Q So in Iraq when you were 210, when PFC Manning was there, what were the ones that you remember 10 then? 11 I know CIDNE. I know there was Intel Link. 12 Α 13 There was intelpedia, and I don't remember the map, the 14 mapping. 15 Q Was there a GIS type of program? 16 Α Yes. Was a Query Tree? 17 Q 18 Α Yes. 19 Q What's a Query Tree? 20 Is what we would type in a search for Α 21 anything. We could use part of the name, some of the

```
name with different symbols or variations of things to
 1
 2
    find out information on that specific item --
 3
          0
                 I'm sorry, please, go the ahead.
          Α
                 On that specific item or person, sir.
 4
                 When someone who had to have a secret
 5
          0
 6
    clearance to use the Query Tree to query different
 7
    databases that were on SIPRnet, correct?
          Α
                 You had to have secret clearance, yes.
 8
          0
                 When you typed in Query Tree it allowed you
    to search databases for the information you're looking
10
    for?
11
                Yes, sir.
12
          Α
13
          Q
                 Because you said it searched everything?
14
          Α
                 Yes.
15
                 And by everything you mean almost every
    database you can think of as an intel analyst?
16
17
          Α
                 Yes, sir.
                 But on the SIPRnet, the secret system,
18
          Q
    Jwikes, the higher level?
19
20
                Yes, sir.
          Α
21
          Q
                What was a Google maps?
```

There was Google Earth. 1 Α 2 0 How was Google Earth used? 3 Α We only used Google Earth when we wanted 4 the defined pictures because they had a better 5 satellite image than the military one that we used. 6 Google Earth was on SIPRnet, correct? 7 Α Yes, sir. And the information put on Google Earth was 8 from classified information? 10 Α Yes, sir. You mentioned CIDNE a few times. Just to 11 12 clarify a few points -- first before that, about PFC 13 Manning's computer literacy you testified just now 14 about. 15 You said that he was good at utilizing the tools he had on the computers? 16 17 Yes, sir. Α 18 Are those tools you're talking about right 19 now? 20 Yes, sir. Α 21 Q Do you know what WGet is?

```
61
                 No.
 1
           Α
 2
           0
                 You don't know what WGet is?
 3
           Α
                 I don't --
                 So you don't know if he was good or bad at
 4
           Q
 5
    using WGet?
 6
           Α
                 No, sir.
 7
           Q
                 Was WGet to the best of your memory one of
    those D6 tools the Army provided for you to do intel?
 8
 9
           Α
                 I don't know what WGet is, sir.
10
                 (INAUDIBLE)
           Q
11
           Α
                 Yes, sir.
                 Query Tree, GIS, Google Maps?
12
           0
13
           Α
                 Yes, sir.
                 CIDNE?
14
           0
15
           Α
                 Yes, sir.
                 But you testified he was as a junior a
16
           Q
17
    analyst he was weak in his ability to assess?
18
           Α
                 Yes.
19
                 How did you assess whether he was good at
           Q
20
    utilizing the tools if he was weak in his assessments?
21
           Α
                 Being an analyst is a two-part job. You
```

have products and you can always paint a picture of 1 2 what's actually happening. And then you have the 3 second part of being an analyst is taking that information and then making some deductive reasoning or 4 some assessments on what you think is actually going to 5 6 happen or how you think that's going to affect the 7 enemy or the friendly. So then would it be accurate to say you 8 0 have to understand what you're looking at and you have 10 to understand how to apply what you're looking at? 11 Α Yes, sir. 12 0 Was he good at step one of what he was 13 looking at? 14 Α Yes, sir. Without a doubt, sir. 15 Using a rating scale of 1 to 10, 10 being 16 the world's best analyst which I'm sure you are a 10 17 and then 1 being not through AIT. How would you rate 18 PFC Manning in how to use the information? 19 Α How to use --20 How to analyze it? Q He's maybe a 5. 21 Α

How do you rate him on that 1 to 10 scale 1 Q 2 of what the information is because he could respond to 3 everything you asked him to do and he pulls the data. A ten, sir. 4 Α Is that what you mean when you talk about 5 0 data mining? 6 7 Α Yes. And that data mining, what tools did use to 8 Q data mine for your? 10 Query Tree was the most common, sir. Α What about CIDNE? 11 0 12 Α CIDNE was used as well. 13 Q And CIDNE was used, was SigActs used? 14 Α Yes, sir. 15 Q And he pulls SigActs? 16 Α Yes, sir. 17 Could you explain more for the Court what 18 you mean by the term density plot? What's a density plot? 19 20 Yes, sir. That's what I was talking about Α with the colors or the intensity of the attack and it 21

```
fades out to a lighter color with the less attacks that
 1
 2
    are in that location it would go lighter and lighter.
 3
    So it's hot spots basically, sir.
                And I should have asked a more specific
 4
          Q
    question. What information does an analyst or did PFC
 5
 6
    Manning use to make that density plot?
 7
                All those programs we used use them to
    identify whether it be a small arms attack or IAD
 8
    attach or an ambush or even kidnapping, anything like
10
    that that you'd use that information in CIDNE you could
    use it from any of the databases.
11
12
                And you use density plots in your line of
13
    work?
14
          Α
                Yes, sir.
15
                And density plots showed what happened in
16
    the past?
17
          Α
                Yes, sir.
18
                So you use that historic information you're
    talking about?
19
20
          Α
                Yes.
                It's that historic information that was
21
          Q
```

used that PFC Manning was very good at from density 1 2 plots came from CIDNE is one of the sources? 3 Α Yes, sir. And you had mentioned IAD information? 4 Q Α Yes, sir. 5 You would agree that CIDNE had (INAUDIBLE) 6 7 engagements? 8 Α It had not specifics of the engagement, but it the have generalized engagements, yes, sir. 10 Q It had you mentioned IAD, the TTP that we follow in reacted to IAD. 11 12 Α Yes. 13 The TTPs we follow in finding IADs? 14 Α It didn't explain how we found them, sir. 15 It would explain what happened in that event. When ground penetrating radar worked or did 16 Q 17 not work? 18 Α No, sir. 19 It wouldn't explain that? Q 20 No, it didn't explain that. Α 21 Q From the staff you write?

```
66
                 Yes, sir.
 1
          Α
 2
                 I assume you also have not read every
 3
    single SigAct in CIDNE?
                 Yes, sir.
 4
          Α
 5
          Q
                 How many times have you deployed?
          Α
                 Five times.
 6
                 In what theaters?
 7
          Q
                 In Afghan and Iraq, sir.
          Α
 8
 9
          Q
                 How many times in each?
10
          Α
                 One in Afghan and four in Iraq.
                 How many times in 210 Mountain?
11
          Q
                 Twice -- three times with 10th Mountain and
12
          Α
    twice with (INAUDIBLE).
13
14
          Q
                 Thank you. You would agree that CIDNE has
15
    medivac reports sent?
16
                 Yes, sir.
          Α
17
                 How we medivac?
          Q
18
          Α
                Yes, sir.
19
                How we find our kidnapped soldiers?
          Q
20
                 It didn't tell how to, it just tells the
          Α
    results of it.
21
```

What we did once someone was kidnapped? 1 Q There's no 2 It was the actual event. 3 report on what we did or how we reacted to it. It's a 4 report of just facts on what happened during that 5 event. 6 Q What happened on the ground then? 7 Α Yes, sir. And those types of reports you relied on 8 Q PFC Manning to understand what was in them to pull the 10 information you needed? 11 Α Yes, sir. 12 0 And he was good at that? 13 Α Yes, sir. He was a 10 at that? 14 0 15 Α Yes, sir. Would you have gone to him if you didn't 16 Q 17 understand what was in the CIDNE database? 18 Α I would still utilized him, but not that 19 much --You had confidence that he understood 20 Q exactly that type of information that was there? 21

```
Yes, sir.
 1
          Α
 2
                 Earlier you testified about mIRC Chat.
 3
    MIRC Chat was there when you showed up?
                 Yes, sir.
 4
          Α
                What unit did you go out with?
 5
          0
                The 82nd.
 6
          Α
                3rd Brigade, 82 Airborne?
 7
          Q
          Α
                Yes, sir.
 8
 9
          Q
                 When you worked out there (INAUDIBLE) you
10
    fell out on what their all source tech computer?
11
          Α
                 Yes, sir.
                 And then that you did a left C right C with
12
          0
13
    that all source tech?
14
          Α
                No, I did not, sir.
15
          Q
                You didn't get that opportunity?
                No, sir. I started a month later.
16
          Α
17
                When you showed up a month later mIRC was
18
    on that computer?
19
                Yes, sir.
          Α
20
                 Earlier you testified about the use of open
          Q
    source intelligence. How did 210 Mountain use op sent
21
```

```
in your daily operations?
 1
 2
                 If we wanted to look for other information,
 3
    if we're trying to confirm something happened or add to
 4
    our packet because we they target different things like
    that that we could get any kind of intelligence,
 5
    whether it would be from CNN or from intel media, we
 6
 7
    would get it.
                 And the SigActs you're testifying about
 8
          Q
    that came from CIDNE?
10
                 Yes, sir.
          Α
11
          0
                And CIDNE was on SIPRnet?
12
          Α
                Yes, sir.
13
          Q
                And most SigActs were classified secret?
14
          Α
                Yes, sir.
15
          0
                 What is the classification of open source
    information?
16
                Unclassified.
17
          Α
18
          Q
                Unclassified?
19
                Yes, sir.
          Α
20
                 Can it be classified if there's analysis
          Q
    with it?
21
```

1	A If it was analysis put on it, then it would
2	be removed in unclassified because that's usually what
3	makes a SigAct classified is when it has an assessment
4	or analysis onto it and it moves to the secret.
5	Q Thank you. But for open source information
6	it's unclassified unless it has analysis with it?
7	A It can have analysis just as long as it's
8	not done by an intelligence professional.
9	Q Because then why?
10	A Because we have that training to make
11	and the information to make a more educated analytic
12	view.
13	Q Was that the training you think that PFC
14	Manning did or did not have?
15	A Yes, we have that, all of us.
16	Q Did he have that or not?
17	A Yes, sir.
18	MAJOR FEIN: One moment, please, Your
19	Honor.
20	THE COURT: Okay.
21	BY MAJOR FEIN:

```
Also earlier when Mr. Coombs asked you
 1
 2
    questions I think there was some confusion with
 3
    executable versus something on your desktop.
                If you had a short up on your desktop do
 4
    you believe that to be an executable?
 5
 6
          Α
                No, sir.
 7
                What do you believe it does?
          Α
                That brings you to whatever that executable
 8
    file is, sir.
10
                So it's just a link to point you to where
          Q
    the other file is?
11
12
          Α
                Yes, sir.
13
                And, to the best of your memory, you were
    not authorized put any executable files onto your
14
    actual D6A machine?
15
                That's correct, sir.
16
17
                You remember you testified that you were
18
    told by Mr. Millman apparently that you could have
    executables on a CD?
19
20
          A Yes, sir.
21
          Q
                And then you can run the CD?
```

We could run the CD. 1 Α 2 So long as you didn't have to be an administrator? 3 Yes, sir. 4 Α 5 Q So you could run it on the CD? 6 Α Yes, sir. 7 But you could not put it on your desktop, the file itself? 8 9 Α Right. 10 And prior to your preparation for this 11 testimony, had you ever heard of the term executable 12 file? 13 No, sir. 14 So what is it that you remember Mr. Millman 15 telling you about a CD? 16 That we were not allowed to put any kind of 17 programs or anything without going through him. 18 Everything that had to be downloaded onto the computer 19 had to go through him because he was overall 20 responsible for those systems. 21 So whatever this is on this CD you went to

```
1
    him?
 2
          Α
                Yes, sir.
 3
          0
                And after you went to him he said just run
 4
    it on the CD, you're fine?
                 If we had any intentions of putting it onto
 5
    the desktop we had to go to him. If it was run off the
 6
 7
    CD we didn't to have go to him.
                And you sought that clarification?
 8
          Q
          Α
                Yes, sir.
10
                So you don't recall today whether that
    thing on the CD was a self-executable or just a program
11
    because you don't know the difference between the two?
12
13
          Α
                No, I do not.
14
                MAJOR FEIN: No further questions, Your
15
    Honor.
16
                 THE COURT: Redirect?
17
                MR. COOMBS: Yes, Your Honor.
18
                      REDIRECT EXAMINATION
19
                BY MR. COOMBS:
20
                Chief, I just want to clear up that last
          Q
    point then to make sure.
21
```

```
So do you recall me sending an e-mail to
 1
 2
    you to seek clarification on this point of how you
 3
    could use a executable file either on a CD or as a
    shortcut on the desktop of your computer?
 4
          Α
                Yes, sir.
 5
 6
                And with regards to -- I only want to ask
 7
    you from what you were told and from your perspective.
    Okay?
 8
 9
          Α
                Yes, sir.
10
                You had earlier said that you ran something
    from a CD and you didn't need to the seek guidance or
11
12
    permission for that because that was permitted. Do you
13
    recall saying that?
14
          Α
                Yes, sir.
15
                What did you run from a CD?
                There's different things that we had to
16
          Α
17
    click on.
               I know I ran -- maybe that was a movie
18
    player or something like that. I know I ran a movie
19
    player from that, a BLC.
20
                All right. So a movie player was a program
          Q
```

that you didn't have on your D6A computer but you did

21

```
have it as a program on a CD and you could run it from
 1
 2
    a CD?
 3
          Α
                Yes, sir.
          0
                On the D6A?
 4
 5
          Α
                Yes, sir.
                 And presumably I guess if you were doing a
 6
 7
    movie player you had something on your D6A computer
    that you wanted to use that movie player to play?
 8
 9
          Α
                Right.
10
                Did anyone say that was against the user
11
    agreement to do that?
12
          Α
                No, sir.
13
                Now, when you have a shortcut on the
14
    desktop of your computer that links you to a CD. So if
    you click a shortcut and it runs whatever you have on
15
    the CD, was that permitted?
16
17
          Α
                 Yes, sir.
18
          Q
                Did you have to go to Mr. Millman or anyone
19
    else to get permission to do that?
20
                No, sir.
          Α
                 When you say permitted like do you recall
21
          Q
```

- that was put out by the S2 section or how was that 1 2 permitted? 3 Α When we I seek clarification for what we could put on the computers, that's the guidance. They 4 told us as long as you don't download it onto the 5 6 actual computer, you can use it. So tell me if this was permitted. If I had 7 say WGet or say I had some executable program on a CD 8 9 and I plugged it in and --10 MAJOR FEIN: Objection, the witness has already said he doesn't understand the difference 11 between an executable and an installable file or 12 13 program. There's not sufficient basis here to continue 14 with this line of questioning. 15 MR. COOMBS: I don't believe that's what the witness said, Your Honor. I believe the witness 16
- the witness said, Your Honor. I believe the witness
 said prior to maybe this court martial wasn't as
 familiar with the term executable file, but he knew
 what an executable was.
- I actually asked him that during my direct.

1	THE COURT: What is an executable file?
2	THE WITNESS: Something that could be run
3	by itself, ma'am.
4	THE COURT: What's the other program you
5	used?
6	MAJOR FEIN: The foundation between
7	something that could be run on its own versus a program
8	that would be installed and the defense between the
9	two.
10	THE COURT: What is your understanding
11	about what kind of a program could be used in a
12	computer with a CD and shortcut added to the desktop?
13	What, if any, restrictions on what's on that CD are
14	there?
15	THE WITNESS: I was under the impression
16	that there was no restrictions on the actual CD.
17	THE COURT: It doesn't matter what kind of
18	a program it is, anything goes?
19	THE WITNESS: Yes, ma'am.
20	THE COURT: Overruled.
21	Go ahead.

1	BY MR. COOMBS:
2	Q If I had a different program on a CD and I
3	placed a shortcut for that program on my desktop to run
4	it and I double clicked and it ran, from your
5	perspective was that against the user agreement from
6	your understanding?
7	A No, sir.
8	Q And you had talked about on cross the
9	various programs that were available to you from the
LO	D6A computer, and when I asked you what program you
L1	used on the CD you said it was a version of the media
L2	player; is that right?
L3	A Yes, sir.
L 4	Q So how did you get that version of the
L5	media place that wasn't available on the D6A computer?
L6	Where did you go get that version on the CD?
L7	A It was a CD that was given to me, sir.
L8	Q Do you know where that came from?
L9	A I do not remember, sir.
20	Q If a soldier downloaded something from
21	NIPRnet and burned it onto a CD, any sort of program,

- and then put that into their D6A computer to run from 1 2 the CD was that from your understanding against the 3 user agreement? You're allowed to do that, but you're not 4 Α allowed to do it the other way around. 5 6 When you say the other way around when you 7 put it on the computer -- and I want to make sure there's no confusion there. 8 9 When you're putting it on the computer, the program, is that something that you need to have 10 administrative rights to do? 11 12 If you were going to do download it onto 13 the computer you need administrative right. 14 Q You can said this is beyond your computer 15 knowledge, but if you didn't have admin rights to the D6A computer, could you do that? 16 17
 - I know I couldn't do it.
- 18 Even if you wanted to like if you said, 19 look, I'm going to add this program to my D6A computer, 20 you didn't have admin rights, from your understanding 21 you couldn't do it?

UNOFFICIAL DRAFT - 07/08/13 Morning Session

			80
1	А	Right.	
2	Q	Even if you wanted to?	
3	А	Yes, sir.	
4	Q	That might be an example of why that was	
5	not permitt	ed?	
6	A	Yes, sir.	
7	Q	Thank you.	
8	A	Yes, sir.	
9		THE COURT: Any last	
10		MAJOR FEIN: May I have a moment, Your	
11	Honor?		
12		THE COURT: Yes.	
13		MAJOR FEIN: No further questions, Your	
14	Honor.		
15		THE COURT: Chief, I have a couple of them.	
16	Just to mak	e sure that I understood your testimony.	
17	You wanted	to have a media viewer from a CD and you put	
18	that into y	our computer.	
19		THE WITNESS: Yes, ma'am.	
20		THE COURT: And you put a shortcut on the	
21	desktop to	use that?	

```
THE WITNESS: No. I would just go straight
 1
 2
    to the CD, ma'am. I have a shortcut to the CD player.
 3
                THE COURT: You had a shortcut to the CD
 4
    player?
 5
                THE WITNESS: Yes, ma'am.
 6
                THE COURT: Why did you go to Mr. Millman
 7
    at all about using that CD?
                THE WITNESS: If the CD got scratched or
 8
    you lost it or something, you didn't have access to
10
    that computer or to that program no more. So I always
11
    put stuff on my computer. Anything I wanted to put on
12
    it that was not already on the D6A I had to go through
13
    Mr. Millman.
14
                THE COURT: So this media viewer, did you
15
    actually run it from the CD or did Mr. Millman put it
16
    on your computer?
17
                THE WITNESS: I ran it from a CD for a
18
    while until Mr. Millman said it was okay to put it
    on and he eventually put it on for me.
19
20
                            I thought I heard earlier that
                THE COURT:
21
    you tried to use it from the CD and you needed
```

```
administrative rights?
 1
 2
                THE WITNESS: I initially tried to put
 3
    on it myself.
                THE COURT: On the computer?
 4
                THE WITNESS: Yes, ma'am.
 5
 6
                THE COURT: If you weren't supposed to add
 7
    things to the computer then why did you do that?
                THE WITNESS: Because I did not know at
 8
    that time that the D6A was not our property and that's
10
    why we're not allowed to put that on the D6A because
11
    they were not our 210 property. I assumed they were
12
    ours from home, which they were not.
13
                THE COURT: Were there any restrictions
14
    that you're aware of with respect to putting a program
15
    on a CD that actually accesses the classified
    information on the SIPR?
16
17
                THE WITNESS: No, ma'am.
18
                THE COURT: Any follow-up based on that?
19
                MR. COOMBS: No, Your Honor.
20
                MAJOR FEIN: No, ma'am.
21
                THE COURT: Temporary or permanently
```

```
excused.
 1
 2
                MR. COOMBS: Permanent, Your Honor.
 3
    Actually temporary. I apologize.
 4
                THE COURT: You are temporarily excused.
    Please don't discuss your testimony or rules of the
 5
    case with anyone other than the lawyers of the accused
 6
 7
    or the prosecutors.
 8
                THE WITNESS: Yes, ma'am.
 9
                THE COURT: Is now a good time to take
    lunch or do you want to go for another witness?
10
11
                MR. COOMBS: Lunch break, Your Honor.
                THE COURT: How long would you like?
12
                MR. COOMBS: If we could have an hour and
13
    15 minutes.
14
15
                THE COURT: Any objection?
16
                MAJOR FEIN: No, ma'am.
17
                THE COURT: Court is in recess until 1345
18
    or 1:45.
19
               (Recessed at 12:15 p.m. for lunch.)
20
21
```

	- 79:3	apologize (1)	71:14
${f A}$	ahead (6)	83:3	automatic (1)
A	28:8;40:16;41:4,20;59:3;	apparently (1)	11:7
ability (2)	77:21	71:18	automatically (1)
ability (3) 33:1;54:5;61:17	Airborne (1)	apply (1)	29:12
	68:7	62:10	available (5)
able (2)	Airs (1)	appropriately (1)	6:6,8;31:14;78:9,15
32:13;34:5	50:18	9:15	avoid (1)
accepting (1)	AIT (4)	approximately (1)	13:9
5:5	36:12,19;53:5;62:17	6:2	aware (1)
access (5)	alert (1)	April (1)	82:14
48:14;55:3,9;56:6;81:9	17:1	34:15	02.11
accesses (1)	alerts (1)	area (8)	В
82:15	16:16	15:12;20:1;21:16,18,21;	
account (1)	allow (2)	23:16;26:6;56:9	back (12)
27:17	39:7;41:19	areas (4)	12:13,17,21;15:13,14;
accurate (1)	allowed (15)	26:3,5,7,10	19:1;22:1;30:21;31:1,3;
62:8	39:10,11,13;40:21;43:14;	arms (2)	35:18:46:5
accused (1)	44:14,21;51:2,18;52:19;	26:8;64:8	background (2)
83:6	59:9;72:16;79:4,5;82:10	Army (6)	34:21;56:20
act (1)	allowing (1)	27:14;53:12;55:13;57:11;	bad (1)
29:8	41:9	58:5;61:8	61:4
action (2)	almost (1)		
16:10;25:12	59:15	Army's (3) 26:21;27:4,18	Baghdad (1) 56:10
activities (1)			
26:9	altered (1)	around (2)	base (1)
actual (8)	29:9	79:5,6	36:20
42:1,9;44:20;47:20;67:2;	Although (1)	arrived (1)	based (5)
71:15;76:6;77:16	32:5	8:15	27:19;31:4;33:1;36:21;
actually (13)	always (11)	arson (1)	82:18
8:1,9;33:15,21;37:6;43:1;	9:15,16;12:21;29:19,21;	26:9	baseline (1)
51:21;62:2,5;76:20;81:15;	35:18;49:16,16,17;62:1;	ASAF (1)	37:21
82:15;83:3	81:10	57:12	basically (5)
add (3)	amazing (1)	assess (3)	19:16;21:16;23:2;36:7;
69:3;79:19;82:6	36:19	33:15;61:17,19	64:3
added (3)	ambush (1)	assessment (5)	basis (1)
38:1,3;77:12	64:9	23:12;24:21;33:2;37:3;	76:13
address (3)	amount (1)	70:3	battalion (1)
5:5,6;6:17	21:17	assessments (2)	52:9
admin (2)	analysis (5)	61:20;62:5	battalions (1)
79:15,20	69:20;70:1,4,6,7	assets (1)	38:11
administrative (5)	analyst (33)	22:6	battlefield (3)
28:7;43:4;79:11,13;82:1	7:9;10:6,21;13:8;14:3,9,	assist (1)	16:4,16;17:3
administrator (2)	12;16:12;19:14;23:2;24:8;	35:10	BCT (1)
28:19;72:3	30:17;32:11;33:7;36:2,2,3,	assume (2)	7:17
advised (1)	5,8,11,14;37:2;38:12;55:13;	29:21;66:2	became (2)
5:21	57:11;58:2,5;59:16;61:17,	assumed (1)	7:15;30:15
affect (1)	21;62:3,16;64:5	82:11	become (3)
62:6	analysts (25)	assumptions (1)	30:13;36:7,12
Afghan (2)	10:15;14:15;15:4,17;	29:21	besides (2)
66:8,10	17:16;22:16;23:21;24:3;	assurance (1)	25:6,17
again (8)	25:1,8;31:8;34:11;37:5,13;	46:8	best (7)
5:20;11:12;18:18;20:10;	39:7,19,20;40:10,21;41:9,	Atkins (1)	33:7,17;57:1,3;61:7;
21:3;24:13;33:19;57:17	15;43:14;44:14;47:4;58:1	18:8	62:16;71:13
against (8)	analyst's (1)	attach (1)	better (4)
42:14,19;44:12;45:4;	12:9	64:9	16:21;17:3;27:8;60:4
46:21;75:10;78:5;79:2	analytic (1)	attack (3)	beyond (1)
ago (1)	70:11	20:1;63:21;64:8	79:14
	analyze (1)	attacks (4)	big (1)
18:19		21:18,20;22:1;64:1	9:7
	62:20		
agree (4)	ankles (1)	attend (1)	bit (5)
agree (4) 37:10;55:7;65:6;66:14	ankles (1) 8:13	attend (1) 19:18	
agree (4)	ankles (1)	attend (1)	bit (5)

		<u> </u>	
74:19	10:9;31:6;41:16;83:6	classified (20)	11:4
boss (2)	catch (1)	9:12;29:12,16,19;50:2;	conclusion (1)
32:20,21	19:16	51:1,9;52:12,15,19;53:20;	37:8
boss' (1)	CD (58)	56:13,15;57:4,15;60:9;	conclusions (1)
32:21	10:1,16;11:5,13;13:9;	69:13,20;70:3;82:15	37:6
both (4)	14:4,10,13,19;41:1,9;42:2,	clear (1)	conduct (1)
8:13;16:6;18:9;37:10	5,10,14;43:2,8,11;50:11;	73:20	37:14
bounce (1)	51:9,17;52:18;71:19,21;	clearance (13)	conducted (1)
33:11	72:1,5,15,21;73:4,7,11;	30:11;48:15;49:4,9;	19:4
bouncing (1)	74:3,11,15;75:1,2,14,16;	53:13,16;54:8,10,12;55:4,9;	confidence (1)
37:9	76:8;77:12,13,16;78:2,11,	59:6,8	67:20
break (2)	16,17,21;79:2;80:17;81:2,2,	clearances (1)	confidential (1)
5:11;83:11	3,7,8,15,17,21;82:15	56:16	24:12
briefed (2)	CDs (13)	click (4)	confirm (2)
46:6;53:3	9:3,5,9,11,13,15,19;10:4;	38:18;40:7;74:17;75:15	23:12;69:3
brigade (8)	39:14;44:1;49:12,12,14	clicked (1)	confusion (2)
28:18,18;49:9;52:5,9;	center (6)	78:4	71:2;79:8
53:8;56:9;68:7	6:4;26:21;27:4,14,18;	CNN (1)	connections (3)
bringing (1)	45:21	69:6	31:18;51:20;52:1
45:4	certain (2)	color (1)	consider (1)
brings (1)	20:1,2	64:1	54:10
71:8	chain (2)	colors (3)	consolidated (1)
broad (1)	18:13;45:12	21:17;22:1;63:21	57:21
6:17	change (4)	comfort (1)	consolidation (1)
broadcasted (1)	19:4;27:20;31:20;58:7	5:11	19:21
6:4	changed (1)	command (2)	contact (3)
brought (1)	29:5	18:13;45:13	16:10;28:10;38:10
44:21	changes (1)	commander (3)	contain (1)
build (1)	19:12	46:6;52:9,9	30:6
22:7	charge (2)	common (5)	contained (1)
bunch (1)	45:20;57:3	10:15,21;14:15;23:21;	56:12
55:6	charges (1)	63:10	continue (2)
burn (8)	41:16	commonly (2)	31:7;76:13
10:3,15;13:8;14:4,10,13,	charging (1)	53:7,9	control (1)
19;51:16	41:16	community (4)	46:9
burned (6)	Chat (7)	53:10,12,15,18	conversation (1)
9:20;49:12,20;51:1;	37:18,20;38:7,14,15;68:2,	companies (1)	42:7
52:18;78:21	3	38:11	conversations (1)
burning (1)	check (3)	compared (1)	34:21
50:10	24:9,10;26:3	34:11	cool (1)
-	CHIEF (7)	complain (1)	12:20
\mathbf{C}	7:1,7;13:16;14:2;48:11;	34:4	COOMBS (21)
-	73:20;80:15	complete (5)	5:10;6:15,19;7:6;26:4;
call (3)	chow (1)	13:19,21;34:5;40:15,16	40:14,18,19;41:8,13;42:3;
28:11;47:10,21	19:5	Completely (1)	48:3;71:1;73:17,19;76:15;
called (2)	CHU (9)	15:6	78:1;82:19;83:2,11,13
5:18;7:2	51:6,8,9,17;52:1,10,13,	completing (1)	correctly (2)
calls (1)	16,20	34:8	19:8;39:16
6:19	CIDNE (32)	computer (56)	counter (2)
came (9)	25:8,10,15,18,21;26:18;	6:7;10:9;11:2,6,8;12:4,	21:1,5
33:7;35:8;43:20;44:18,	27:9,12,17;28:2,14,16,19;	15;13:10;34:18;35:1,5;	counteract (1)
19;46:5;65:2;69:9;78:18	29:2,8,12;32:7;37:15;	37:17,21;38:14,15,16,18;	27:15
can (32)	58:12;60:11;61:14;63:11,	39:21;40:5;41:1,10,17;	counterparts (1)
8:4;19:19;21:8;22:5;23:3,	12,13;64:10;65:2,6;66:3,14;	42:19;43:2,6;44:8,9,12;	9:8
15;24:10;25:5,10;26:3;	67:17;69:9,11	55:16;57:8,21;60:13;68:10,	couple (5)
27:20;28:11,17;29:2,9;	clarification (3)	18;72:18;74:4,21;75:7,14;	28:3;29:10;33:12;47:3;
31:1;33:5,19;35:13;37:4;	73:8;74:2;76:3	76:6;77:12;78:10,15;79:1,7,	80:15
39:5;40:14;45:12;46:1;	-1(1)	9,13,14,16,19;80:18;81:10,	COURT (49)
15 6 50 16 60 1 60 00	clarify (1)		
47:6;59:16;62:1;69:20;	60:12	11,16;82:4,7	5:12,14,14,18,18,20,20;
70:7;71:21;76:6;79:14	60:12 Class (1)	11,16;82:4,7 computers (9)	6:10,14,16;19:19;26:1;
70:7;71:21;76:6;79:14 Captain (2)	60:12 Class (1) 7:16	11,16;82:4,7 computers (9) 10:4;11:17;35:11;37:14;	6:10,14,16;19:19;26:1; 40:13,16;41:2,7,11,19;48:5,
70:7;71:21;76:6;79:14	60:12 Class (1)	11,16;82:4,7 computers (9)	6:10,14,16;19:19;26:1;

11 C Brudley E. Manning	07700712 1710	ming session	541 7 5, 2 012
12 15 20.91.2 € 14 20.92.4	5.10.6.7.9.10.77.9	10.2	6.16.19.0.20.20.42.0.
12,15,20;81:3,6,14,20;82:4,	5:10;6:7,8,19;77:8	19:3	6:16;18:9;29:20;42:9;
6,13,18,21;83:4,9,12,15,17,	Defense's (1)	directly (2)	75:19
17	41:11	18:17;46:12	else's (1)
crash (4)	defined (1)	disagree (1)	34:12
11:19;12:6,9;13:11	60:4	37:11	e-mail (2)
crashed (7)	definition (1)	disclosure (2)	9:7;74:1
10:10;11:6,8,21;12:3,7;	23:6	50:12,16	enable (1)
13:1	demonstrations (1)	discovered (1)	11:5
crashing (2)	35:1	27:6	enabled (1)
11:17;13:6	density (11)	discuss (1)	11:13
criminal (1)	21:11,15,19;22:2;35:16;	83:5	encouraged (1)
26:9	63:18,18;64:6,12,15;65:1	divided (1)	25:1
Cross (3)	deny (1)	15:1	end (3)
48:5,9;78:8	23:12	Division (1)	28:13;33:15;38:12
current (4)	Depending (1)	7:18	enemy (2)
15:8,11,12;16:12	12:16	done (4)	28:10;62:7
CW-2 (1)	depends (2)	10:1;21:10;43:5;70:8	engagement (1)
6:19	36:9,16	double (2)	65:8
	deploy (2)	38:18;78:4	engagements (2)
D	7:20;8:9	doubt (1)	65:7,9
D			
D ((A)	deployed (5)	62:14	enlisted (5)
D6 (2)	18:4;32:14,17;53:19;66:5	down (13)	7:14;15:7;17:18;52:15;
12:2;61:8	deploying (1)	9:20;10:4,13;11:1,1,8;	57:11
D6A (45)	8:11	13:9;14:4,13,19;28:9;44:9;	enough (1)
10:4;11:17;12:1,4,6;13:1,	deployment (4)	53:2	44:7
6;35:4,11;37:14,17,21;	8:2;9:1;15:2;34:11	download (7)	entire (1)
39:10,11,12;40:5;41:1,10;	describe (4)	11:11;42:6,8,11;44:8;	13:19
42:1,9,11,19;43:2,13,14;	21:8;28:8;34:17;57:20	76:5;79:12	Espean (1)
44:12;55:12,16;57:7,7,13,	described (1)	downloaded (4)	35:21
17,20;71:15;74:21;75:4,7;	23:1	39:11;42:1;72:18;78:20	especially (1)
78:10,15;79:1,16,19;81:12;	description (4)	drive (3)	53:19
82:9,10	20:11;21:4;24:14;33:20	11:1,4;14:8	establish (2)
daily (2)	desk (1)	drop (1)	16:21;31:15
11:21;69:1	42:19	34:14	established (2)
data (14)	desktop (13)	duly (1)	16:11;28:15
19:21;22:3,4,8,17;23:1,	38:20;39:8,21;40:4;71:3,	7:2	establishing (2)
15,19;24:1;37:14;63:3,6,8,9	4;72:7;73:6;74:4;75:14;	during (9)	15:20;16:5
database (17)	77:12;78:3;80:21	6:6;9:1;15:1;19:18;	estimation (1)
25:8,10,13,15;26:11,17,	destroyed (1)	20:16;34:11;53:3;67:4;	36:5
18;27:9,12,17;28:2,14,19;	10:2	76:20	even (6)
	detailed (1)	duty (3)	44:9;46:11;53:12;64:9;
29:12;32:8;59:16;67:17	34:2	8:1;32:13;53:6	79:18;80:2
databases (7)		8:1;32:13;33:0	
25:15,17;48:20;55:6;	detainee (1)	T-2	event (7)
59:7,10;64:11	31:2	\mathbf{E}	13:10;20:1;26:16;34:6;
dated (2)	determination (1)		65:15;67:2,5
30:13,15	50:7	earlier (8)	eventually (4)
day (5)	developed (1)	22:3;49:16;54:16;68:2,	28:13,16;30:12;81:19
12:3;17:7,10,13;19:18	9:7	20;71:1;74:10;81:20	everybody (5)
days (1)	developing (1)	early (1)	32:19;49:8;53:15;54:12,
12:8	33:8	7:19	14
dealing (2)	difference (2)	Earth (5)	everyone (3)
20:6;21:1	73:12;76:11	60:1,2,3,6,8	34:12;49:3;53:18
debrief (1)	different (13)	educated (1)	everyone's (1)
, ,			
28:6	10:10;23:5;24:19;26:2;	70:11	38:14
debriefs (1)	28:3;50:4;55:6;58:7;59:1,6;	Ehresman (3)	Everywhere (1)
28:20	69:4;74:16;78:2	6:20;7:1,7	22:18
December (1)	difficulties (1)	either (4)	exactly (4)
42:7	35:15	12:12;46:5;50:8;74:3	32:20;33:9,12;67:21
decisions (1)	DIRECT (3)	election (1)	EXAMINATION (4)
16:4	7:5;46:13;76:21	20:18	7:5;48:5,9;73:18
deductive (1)	directed (4)	elections (6)	examined (1)
62:4	5:2,3,4,6	20:7,9,13,14,15,16	7:4
Defense (5)	direction (1)	else (5)	example (4)
Deterior (3)	un cenon (1)	CISC (S)	CAMIPIC (4)

23:3	15:8,15,18,19;16:1,5,19;	handle (1)	IAD (5)
figure (1)	future (8)	9:10;33:21	
fighting (1) 27:7	8:17	hand (2)	I
6:1 fighting (1)	8:3,18;45:21;46:17 fusions (1)	half (1) 44:9	37:16
field (1)	fusion (4)	1 10(1)	Humity (1)
60:11,12	73:14;80:13	H	11:11
8:21;14:21;32:10,18;	further (2)	·	hours (1)
few (6)	39:5	33:18;35:19	17:9;83:13
fell (1) 68:10	62:7 function (1)	74:11;76:4 guy (2)	64:3 hour (2)
82:20;83:16	friendly (1)	14:18;23:14;42:13,18;	hot (1)
73:14;76:10;77:6;80:10,13;	5:5;66:10	guidance (6)	80:11,14;82:19;83:2,11
41:5;48:6,10;70:18,21;	four (2)	46:16;75:6	48:7;70:19;73:15,17;76:16;
5:13;6:5,12,18;40:11;	77:6	25:14;26:11;27:3;45:8;	6:7,15;40:11,14;41:5;
FEIN (17)	foundation (1)	15:14;17:16;22:15;23:13;	Honor (15)
5:8	65:14	guess (10)	82:12
55:7;40:12;55:4 feed (1)	found (1)	20:2	home (1)
33:7;46:12;53:4	28:12	group (1)	27:17;30:13,16;31:5;32:3
26:21;76:18 far (3)	32:8 forward (1)	ground (2) 65:16;67:6	27:12;31:11;64:18,21 historical (5)
familiar (2)	forever (1)	22:1	historic (4)
45:8,18	50:12,16	green (1)	7:14
fall (2)	foreign (2)	41:12	highest (1)
37:12	82:18	government's (1)	59:19
failed (1)	follow-up (1)	30:7;41:16	24:11;30:10;34:12;46:6;
fades (1) 64:1	follows (2) 7:4;28:21	33:18;35:19 government (2)	34:19 higher (5)
67:4	65:11,13	go-to (2)	high (1)
facts (1)	follow (2)	59:21;60:1,2,3,6,8;61:12	45:8
47:21,21	53:11;56:9	Google (7)	hierarchy (1)
fact (2)	focus (2)	62:12;65:1;67:12;83:9	33:11
<u> </u>	51:3	33:4,6;60:15;61:4,19;	hey (1)
${f F}$	FOB (1)	good (9)	55:17,19;56:1
17,20	12:12,15,18	40:7;77:18	22:6;24:14;27:7,15;
37:4;46:1;63:17;65:14,15, 19,20	2;47:19;66:6 fixed (3)	5:5 goes (2)	6:2 help (7)
8:4;25:10;33:5;35:13; 37:4:46:1:63:17:65:14 15	11:11;17:18;25:19;26:1,	globe (1)	held (1)
explain (11)	five (7)	5:6	41:6,12
36:8,13,13	57:10;60:12	global (1)	hearsay (2)
expert (3)	19:10;25:14;38:6;48:11,14;	78:17	5:16,17
36:2,3	6:1;7:2,16;17:6;18:11;	given (1)	Hearing (2)
experienced (2)	first (12)	58:15;61:12	72:11;81:20
13:3;36:1,11	26:9	GIS (2)	heard (2)
experience (3)	fire (1)	19:15	34:4
expedient (1) 11:15	13:16,20;73:4	65:9 generally (1)	11:1,4 hear (1)
22:8 evnedient (1)	31:5 fine (3)	generalized (1)	hard (2)
expect (1)	findings (1)	25:11;33:20;36:15	16:16;24:20
6:8,8,11	65:13	17:9;20:10;21:3,9;24:13;	happens (2)
Exhibit (3)	finding (1)	general (8)	23:11;62:2
71:19	37:10;59:2;66:19	33:15	happening (2)
executables (1)	20:15;23:9;24:17;26:11;	gave (1)	69:3
74:3;76:8,12,18,19;77:1	find (7)	20:9	3;32:6;64:15;65:15;67:4,6;
17;42:5,12,14,18;43:2,10; 46:20;71:3,5,8,14;72:11;	finally (1) 29:11	47:6,17,21;48:2 gathered (1)	16:9,10;20:16;21:12; 23:11;27:18,19;28:12;29:1,
39:1,3,8,20;40:4,21;41:9,	42:13;46:21;71:14	gap (4)	happened (16)
executable (26)	39:8,20;40:21;41:9;	46:20	14;22:13,15;23:10;62:6
83:1,4	files (7)	games (1)	9:19;16:13;20:19;21:14,
excused (2)	12;74:3;76:12,18;77:1		happen (9)
21:12	14,18;43:2,10;71:9,11;72:8,	G	49:14
examples (1)	39:1,4;40:4,7;41:17;42:5,	27.20	handled (1)
14:6;19:19;33:19;80:4	file (18)	27:20	53:20
<u> </u>			

11 C Bradiey E. Manning	07,00,12 1,10		541 7 5 , 2 01 2
21:1;64:8;65:4,10,11	28:17	18:12,19	levels (1)
IADs (2)	initially (2)	keep (1)	50:4
26:8;65:13	29:5;82:2	42:10	library (1)
ID (2)	installable (1)	key (2)	10:17
16:9;21:5	76:12	26:2;30:6	Lieutenant (1)
idea (3)	installed (1)	kidnapped (2)	50:18
20:19;45:12;47:13	77:8	66:19;67:1	lighter (4)
identified (3)	instance (2)	kidnapping (2)	21:21;64:1,2,2
27:15;30:21;58:6	41:13,18	26:9;64:9	line (4)
identifiers (1)		kind (14)	31:7;34:1;64:12;76:14
50:9	instead (1) 37:8		
		16:4,10;20:10,19;23:3;	link (5)
identify (2)	intel (7)	24:13;25:12,12;28:8,11;	40:6,7;56:1;58:12;71:10
20:17;64:8	31:8;56:1,3;58:12;59:16;	69:5;72:16;77:11,17	links (1)
identifying (1)	61:8;69:6	knew (2)	75:14
15:20	intelligence (17)	51:15;76:18	list (3)
image (1)	7:9;8:7;22:6,13;47:6,16,	knowledge (4)	5:5,7;22:8
60:5	21;48:2;53:4,10,11,15,18;	35:1;47:20;48:1;79:15	listen (1)
immediate (2)	55:13;68:21;69:5;70:8	knowledgeable (1)	43:14
18:5;38:11	intelpedia (3)	35:4	listening (1)
immediately (1)	56:5,12;58:13	known (2)	44:11
44:10	intensity (2)	53:7,9	listing (1)
impression (1)	21:17;63:21	_	13:9
77:15	intentions (1)	\mathbf{L}	literacy (2)
INAUDIBLE (13)	73:5		34:18;60:13
12:18;16:16;18:8,14;	intermingled (1)	labeled (3)	little (6)
22:8;28:5;33:17;41:18;	32:17	49:15,16,17	17:8;18:15;26:13;30:10;
42:11;61:10;65:6;66:13;	Internet (3)	lack (1)	37:12;38:17
68:9	24:7;52:20;55:19	48:12	local (2)
incident (2)	into (8)	laptop (2)	12:19;24:10
28:16,21	28:2,4;29:11;32:5;45:1,4;	12:9,15	located (1)
include (1)	79:1;80:18	last (5)	15:11
51:6	investigations (1)	5:20;6:2;20:16;73:20;	location (4)
included (1)	56:20	80:9	10:10;23:3;51:4;64:2
49:6	Iraq (7)	late (2)	long (15)
includes (2)	7:20;8:2,9,16;58:9;66:8,	7:19;57:18	7:11;12:14;18:18,19;
48:20;49:1	10	later (2)	26:19,20;36:7,14;39:21;
indicate (1)	Iraqi (2)	68:16,17	41:21;42:4;70:7;72:2;76:5;
22:14	9:8;20:7	lawyers (1)	83:12
indicated (1)	Iraqis (5)	83:6	look (5)
43:1	49:20;50:3,6,11,20	leaders (1)	21:9;29:2;44:5;69:2;
indicating (1)	Issues (1)	17:2	79:19
40:20	5:8	leading (1)	looking (6)
indicators (1)	item (3)	40:12	23:2;33:13;59:10;62:9,
20:20	11:11;59:2,4	learn (3)	10,13
individual (5)	11111,0012,1	29:3;36:5;37:1	Loraina (2)
11:2;36:16,20;51:8,9	J	learned (6)	35:14,20
individuals (3)		27:1,4,14,18,19;53:5	lose (1)
50:14;54:17;56:16	job (4)	least (7)	11:9
information (65)	32:18;38:7;53:20;61:21	11:21;12:3,7;19:7;25:19;	lost (3)
9:6,13,20;10:4,11,16;	joined (1)	29:8;49:10	13:3:19:12:81:9
11:1,9;12:21;13:4,9,10;	57:10	leave (1)	lot (8)
16:8;22:16;24:4,6,14,16,19;	Joshua (2)	18:14	19:11;21:20;25:20;26:14;
25:2;26:11,13,14,15;27:5;	6:19;7:1	leaving (2)	35:19;36:5;37:1;43:21
32:3,5;44:3;47:8;48:17;	jump (2)	8:14;36:11	lots (2)
49:11,20;50:3,20;51:1,5,16;	37:5,8	left (2)	43:21,21
	junior (4)	` '	lunch (4)
52:12,16,19;53:21;55:8,10; 56:13,15;57:5;59:2,10;60:8,	37:5;52:15;57:11;61:16	8:14;68:12 less (1)	6:6;83:10,11,19
			0.0,83.10,11,19
9;62:4,18;63:2;64:5,10,18,	Jwikes (1) 59:19	64:1	M
21;65:4;67:10,21;69:2,16;	J7.17	lessons (5)	1 V1
70:5,11;82:16	K	27:1,4,14,18,19	malam (12)
informed (1)	N	level (5)	ma'am (13)
42:4	Kaar (2)	30:10;34:10,15;36:1;	5:13;6:5,18;77:3,19;
initial (1)	Keay (2)	59:19	80:19;81:2,5;82:5,17,20;
	1	1	

			T
83:8,16	55:6;57:2;60:11;65:4,10		office (1)
machine (1)		> T	51:15
, ,	might (7)	N	
71:15	13:10;20:19;21:9;28:13;		officer (5)
main (3)	31:1;47:13;80:4	name (2)	7:12,15;17:19;18:16;
12:17;28:9,13	military (2)	58:21;59:1	50:12
MAJOR (17)	7:7;60:5	names (3)	officers (1)
5:13;6:5,12,18;40:11;	Millman (11)		50:16
41:5;48:6,10;70:18,21;	12:19;39:12;42:8;43:5;	30:6,8;58:5	often (1)
		NCO (6)	11:19
73:14;76:10;77:6;80:10,13;	71:18;72:14;75:18;81:6,13,	17:19;18:7;19:9,10,12,13	
82:20;83:16	15,18	NCOIC (5)	OIC (6)
makes (2)	Mine (5)	18:19;19:1,1;45:14;51:18	18:10,12;45:15,15;46:17;
50:7;70:3	12:7;19:21;23:19;24:1;	need (7)	51:18
making (1)	63:9	6:16;38:7;58:1,2;74:11;	OICs (1)
62:4	mining (9)		52:8
Manning (21)	22:4,4,9,17;23:1,15;	79:10,13	once (6)
		needed (6)	
11:21;15:21;16:2;17:20;	37:14;63:6,8	12:20;38:1;43:3;51:3;	8:15;12:3,7;29:5;31:20;
20:4;33:10;34:5;35:3,10,	minute (1)	67:10;81:21	67:1
16;36:2;37:1;41:17;49:6;	41:3	net (1)	one (23)
53:20;58:10;62:18;64:6;	minutes (3)	30:1	11:11,20;12:12;17:18,19;
65:1;67:9;70:14	6:1;11:10;83:14		18:17;22:12;25:15;26:6,19;
Manning's (4)	mIRC (8)	network (1)	34:6;37:7,17;41:7,15;
32:11;34:10,17;60:13	37:18,20;38:7,14,15;68:2,	57:15	47:19;57:4;60:5;61:7;
		newspaper (1)	
many (9)	3,17	24:10	62:12;65:2;66:10;70:18
12:6;15:4;17:5,16;25:14,	mission (3)	night (14)	ones (2)
17;66:5,9,11	49:21;50:2;56:8	17:7,10,14;18:1,2,7,10,	58:6,10
map (2)	MLS (1)	12,20;19:1,7,14;20:4,12	online (2)
21:16;58:13	7:11		31:14,14
mapping (3)	moment (4)	nine (1)	only (2)
		15:7	• , ,
37:15;58:7,14	48:6;51:12;70:18;80:10	nineties (1)	60:3;74:6
maps (4)	month (2)	57:18	onto (19)
21:11;58:7;59:21;61:12	68:16,17	NIPRnet (1)	11:4,5;13:9;14:4,10,13,
March (1)	months (2)	78:21	19;28:16;39:11;49:12;
34:15	18:21;29:10	nondisclosure (1)	50:10;51:17;70:4;71:14;
marked (1)	more (9)		72:18;73:5;76:5;78:21;
9:15		56:18	72:16,73:3,76:3,76:21,
	11:15;30:13,15;41:7;	notice (1)	
martial (1)	44:7;63:17;64:4;70:11;	34:14	op (1)
76:17	81:10	November (1)	68:21
matter (1)	most (3)	8:10	open (12)
77:17	33:9;63:10;69:13	0.10	22:20;24:3,6,8,14;25:1,6;
May (2)	Motion (4)	0	31:7,14;68:20;69:15;70:5
48:6;80:10	5:2,3,4,6	U	opened (2)
maybe (6)	Mountain (7)		38:18;44:8
		objection (8)	
17:19;18:21;31:2;62:21;	7:18;38:4;53:19;56:8;	5:12;6:14,15;40:11;41:5,	opening (1)
74:17;76:17	66:11,12;68:21	12;76:10;83:15	38:6
mean (6)	move (1)	observation (1)	opens (1)
11:20;21:12;35:14;59:15;	12:11	36:21	40:8
63:5,18	moves (1)	obtain (1)	operations (3)
meant (1)	70:4		9:1;16:5;69:1
54:17	movie (5)	22:16	operator (1)
media (10)	74:17,18,20;75:7,8	occasionally (1)	39:12
		13:20	
6:1,4,9;24:16;56:3;69:6;	movies (5)	occasions (1)	opportunity (1)
78:11,15;80:17;81:14	44:14,17,21;45:4;46:20	39:17	68:15
medivac (2)	much (3)	off (9)	ops (10)
66:15,17	44:2,5;67:19	12:4,15,20;22:12;33:12;	15:8,9,11,12,15,18,19;
meeting (1)	music (7)		16:1,12,19
53:3	43:14,17,19,21;44:5,11;	44:10;48:11,14;73:6	order (4)
member (1)	46:20	offense (2)	5:18;10:16;13:9;48:14
		5:2,3	
7:17	myriad (1)	offenses (1)	original (1)
members (1)	21:13	5:4	18:12
6:8	myself (2)	offer (1)	others (3)
memory (4)	50:18;82:3	54:20	35:10;52:3,5
57:1,4;61:7;71:13		offered (1)	ours (1)
mentioned (5)		, ,	82:12
		41:13	

out (28)	16:14;20:9;31:1;64:16	player (8)	22:7;24:15;25:2;32:5,20;
8:6;14:18;15:12;17:2,2;	patrol (4)	74:18,19,20;75:7,8;	33:8,14;35:8;45:11;46:3;
23:4,9,14;24:9,10,17;25:5; 28:9;29:21;33:9;36:19;	24:18;28:5,6,20 patrols (1)	78:12;81:2,4 Playing (1)	62:1 professional (1)
37:10;41:15;42:13,17;46:5;	24:17	5:9	70:8
51:2;59:2;64:1;68:5,9,10;	pattern (1)	please (3)	program (20)
76:1	16:11	59:3;70:18;83:5	39:6;42:6;58:15;73:11;
outlined (1)	patterns (1)	plot (5)	74:20;75:1;76:8,13;77:4,7,
34:3	15:20	21:19;22:2;63:18,19;64:6	11,18;78:2,3,10,21;79:10,
output (1) 45:21	penetrating (1) 65:16	plots (6)	19;81:10;82:14
outside (2)	people (6)	21:11,15;35:16;64:12,15; 65:2	programs (8) 35:11;37:13,17;55:16;
24:19;44:19	20:17;27:5,7;29:2;36:17,	plugged (1)	58:4;64:7;72:17;78:9
Over (4)	18	76:9	prohibited (1)
5:21;10:2;45:10,11	people's (1)	pm (1)	8:13
overall (3)	44:1	83:19	property (2)
8:5;45:20;72:19	per (1)	point (8)	82:9,11
overload (1)	46:13	24:19;28:11;36:12,15,17;	prosecution (1)
44:7	performance (4)	71:10;73:21;74:2	6:11
overrule (1) 41:2	32:11,13;33:2,3 perhaps (1)	points (1) 60:12	prosecutors (1) 83:7
Overruled (2)	23:4	pop (1)	provide (2)
41:4;77:20	period (1)	38:17	19:17;23:5
oversee (1)	29:4	position (2)	provided (4)
32:18	periods (1)	8:1;46:17	19:4;55:13;57:8;61:8
oversight (1)	17:9	posted (1)	pull (1)
46:13	Permanent (1)	31:7	67:9
own (4)	83:2	practice (3)	pulling (1)
10:17;39:6;57:19;77:7 owned (1)	permanently (1) 82:21	10:19;13:13;51:10 predecessor (1)	22:5 pulls (2)
42:9	permission (3)	57:13	63:3,15
12.9	39:12;74:12;75:19	predict (1)	purpose (1)
_			
P	permitted (8)	22:13	51:19
Р	10:19;13:13;74:12;75:16,	22:13 predicting (1)	put (39)
P15 (1)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5	predicting (1) 21:13	put (39) 9:9;10:1,8;14:17;23:14;
P15 (1) 6:12	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6)	predicting (1) 21:13 preparation (1)	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11;
P15 (1) 6:12 package (1)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14;	predicting (1) 21:13 preparation (1) 72:10	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13,
P15 (1) 6:12 package (1) 37:21	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4	predicting (1) 21:13 preparation (1) 72:10 present (2)	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8;
P15 (1) 6:12 package (1) 37:21 packet (1)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2)	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4;
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1)	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11,
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2)	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3)	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1)	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6)
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24)	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9;
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20;	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2)	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3,	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1)
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3) 37:21;58:21;62:3	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3, 10,16;36:2;37:1;41:16;	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17 probably (1)	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3,	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1) 44:19
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3) 37:21;58:21;62:3 participate (1)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3, 10,16;36:2;37:1;41:16; 49:6;53:20;58:9;60:12;	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17 probably (1) 16:13 problems (4) 10:12;11:16;34:7;43:9	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1) 44:19
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3) 37:21;58:21;62:3 participate (1) 20:18 particular (2) 23:16;47:20	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3, 10,16;36:2;37:1;41:16; 49:6;53:20;58:9;60:12; 62:18;64:5;65:1;67:9;70:13 picture (1) 62:1	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17 probably (1) 16:13 problems (4) 10:12;11:16;34:7;43:9 procedures (3)	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1) 44:19 QAQC (2)
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3) 37:21;58:21;62:3 participate (1) 20:18 particular (2) 23:16;47:20 parties (1)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3, 10,16;36:2;37:1;41:16; 49:6;53:20;58:9;60:12; 62:18;64:5;65:1;67:9;70:13 picture (1) 62:1 pictures (1)	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17 probably (1) 16:13 problems (4) 10:12;11:16;34:7;43:9 procedures (3) 17:1;21:6,7	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1) 44:19 QAQC (2) 46:7,8
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3) 37:21;58:21;62:3 participate (1) 20:18 particular (2) 23:16;47:20 parties (1) 5:19	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3, 10,16;36:2;37:1;41:16; 49:6;53:20;58:9;60:12; 62:18;64:5;65:1;67:9;70:13 picture (1) 62:1 pictures (1) 60:4	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17 probably (1) 16:13 problems (4) 10:12;11:16;34:7;43:9 procedures (3) 17:1;21:6,7 PROCEEDINGS (1)	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1) 44:19 QAQC (2) 46:7,8 quality (3)
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3) 37:21;58:21;62:3 participate (1) 20:18 particular (2) 23:16;47:20 parties (1) 5:19 partners (1)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3, 10,16;36:2;37:1;41:16; 49:6;53:20;58:9;60:12; 62:18;64:5;65:1;67:9;70:13 picture (1) 62:1 pictures (1) 60:4 place (5)	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17 probably (1) 16:13 problems (4) 10:12;11:16;34:7;43:9 procedures (3) 17:1;21:6,7 PROCEEDINGS (1) 5:1	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1) 44:19 QAQC (2) 46:7,8 quality (3) 33:16;46:8,8
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3) 37:21;58:21;62:3 participate (1) 20:18 particular (2) 23:16;47:20 parties (1) 5:19 partners (1) 37:10	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3, 10,16;36:2;37:1;41:16; 49:6;53:20;58:9;60:12; 62:18;64:5;65:1;67:9;70:13 picture (1) 62:1 pictures (1) 60:4 place (5) 25:5;28:6;35:2;51:21;	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17 probably (1) 16:13 problems (4) 10:12;11:16;34:7;43:9 procedures (3) 17:1;21:6,7 PROCEEDINGS (1) 5:1 process (1)	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1) 44:19 Q QAQC (2) 46:7,8 quality (3) 33:16;46:8,8 quarter (1)
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3) 37:21;58:21;62:3 participate (1) 20:18 particular (2) 23:16;47:20 parties (1) 5:19 partners (1)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3, 10,16;36:2;37:1;41:16; 49:6;53:20;58:9;60:12; 62:18;64:5;65:1;67:9;70:13 picture (1) 62:1 pictures (1) 60:4 place (5) 25:5;28:6;35:2;51:21; 78:15	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17 probably (1) 16:13 problems (4) 10:12;11:16;34:7;43:9 procedures (3) 17:1;21:6,7 PROCEEDINGS (1) 5:1	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1) 44:19 Q QAQC (2) 46:7,8 quality (3) 33:16;46:8,8 quarter (1) 5:15
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3) 37:21;58:21;62:3 participate (1) 20:18 particular (2) 23:16;47:20 parties (1) 5:19 partners (1) 37:10 pass (2)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3, 10,16;36:2;37:1;41:16; 49:6;53:20;58:9;60:12; 62:18;64:5;65:1;67:9;70:13 picture (1) 62:1 pictures (1) 60:4 place (5) 25:5;28:6;35:2;51:21;	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17 probably (1) 16:13 problems (4) 10:12;11:16;34:7;43:9 procedures (3) 17:1;21:6,7 PROCEEDINGS (1) 5:1 process (1) 32:4 product (5) 9:12;21:9;33:20;47:4,17	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1) 44:19 Q QAQC (2) 46:7,8 quality (3) 33:16;46:8,8 quarter (1)
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3) 37:21;58:21;62:3 participate (1) 20:18 particular (2) 23:16;47:20 parties (1) 5:19 partners (1) 37:10 pass (2) 9:8;51:4 passing (1) 9:6	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3, 10,16;36:2;37:1;41:16; 49:6;53:20;58:9;60:12; 62:18;64:5;65:1;67:9;70:13 picture (1) 62:1 pictures (1) 60:4 place (5) 25:5;28:6;35:2;51:21; 78:15 placed (3) 25:4;29:2;78:3 play (1)	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17 probably (1) 16:13 problems (4) 10:12;11:16;34:7;43:9 procedures (3) 17:1;21:6,7 PROCEEDINGS (1) 5:1 process (1) 32:4 product (5) 9:12;21:9;33:20;47:4,17 productivity (2)	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1) 44:19 QAQC (2) 46:7,8 quality (3) 33:16;46:8,8 quarter (1) 5:15 Query (7) 58:17,19;59:6,6,9;61:12; 63:10
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3) 37:21;58:21;62:3 participate (1) 20:18 particular (2) 23:16;47:20 parties (1) 5:19 partners (1) 37:10 pass (2) 9:8;51:4 passing (1) 9:6 password (1)	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3, 10,16;36:2;37:1;41:16; 49:6;53:20;58:9;60:12; 62:18;64:5;65:1;67:9;70:13 picture (1) 62:1 pictures (1) 60:4 place (5) 25:5;28:6;35:2;51:21; 78:15 placed (3) 25:4;29:2;78:3 play (1) 75:8	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17 probably (1) 16:13 problems (4) 10:12;11:16;34:7;43:9 procedures (3) 17:1;21:6,7 PROCEEDINGS (1) 5:1 process (1) 32:4 product (5) 9:12;21:9;33:20;47:4,17 productivity (2) 34:10,15	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1) 44:19 QAQC (2) 46:7,8 quality (3) 33:16;46:8,8 quarter (1) 5:15 Query (7) 58:17,19;59:6,6,9;61:12; 63:10 quick (2)
P15 (1) 6:12 package (1) 37:21 packet (1) 69:4 pages (2) 24:9;26:20 Paggent (2) 18:5;19:12 paint (1) 62:1 part (3) 37:21;58:21;62:3 participate (1) 20:18 particular (2) 23:16;47:20 parties (1) 5:19 partners (1) 37:10 pass (2) 9:8;51:4 passing (1) 9:6	10:19;13:13;74:12;75:16, 21;76:2,7;80:5 person (6) 28:7;36:9,13;48:14; 50:10;59:4 personal (2) 44:1;57:5 personality (1) 36:10 perspective (3) 47:1;74:7;78:5 PFC (24) 11:21;15:21;16:2;17:20; 20:3;32:11;34:4,10,17;35:3, 10,16;36:2;37:1;41:16; 49:6;53:20;58:9;60:12; 62:18;64:5;65:1;67:9;70:13 picture (1) 62:1 pictures (1) 60:4 place (5) 25:5;28:6;35:2;51:21; 78:15 placed (3) 25:4;29:2;78:3 play (1)	predicting (1) 21:13 preparation (1) 72:10 present (2) 5:19,20 presumably (1) 75:6 presumed (1) 48:17 pretty (1) 17:11 prior (2) 72:10;76:17 probably (1) 16:13 problems (4) 10:12;11:16;34:7;43:9 procedures (3) 17:1;21:6,7 PROCEEDINGS (1) 5:1 process (1) 32:4 product (5) 9:12;21:9;33:20;47:4,17 productivity (2)	put (39) 9:9;10:1,8;14:17;23:14; 25:13;28:4,5,19;29:7,11; 39:10,13;40:4;41:15;42:13, 17;43:1,6;52:20;53:4;60:8; 70:1;71:14;72:7,16;76:1,4; 79:1,7;80:17,20;81:11,11, 15,18,19;82:2,10 puts (1) 50:8 putting (6) 9:11,12;42:18;73:5;79:9; 82:14 PX (1) 44:19 QAQC (2) 46:7,8 quality (3) 33:16;46:8,8 quarter (1) 5:15 Query (7) 58:17,19;59:6,6,9;61:12; 63:10

	relevant (2)	rule (1)	19;49:4,21;76:1
R	23:4;41:14	53:2	sections (1)
	relied (1)	rules (3)	39:20
radar (1)	67:8	14:3,18;83:5	security (1)
65:16	rely (1)	run (20)	48:15
ran (5)	11:14	17:5;39:7,20;40:21;41:9;	seek (3)
74:10,17,18;78:4;81:17	remember (6)	42:5;43:8;57:15;71:21;	74:2,11;76:3
rank (1)	18:9;58:10,13;71:17;	72:1,5;73:3,6;74:15;75:1;	self-executable (1)
7:14	72:14;78:19	77:2,7;78:3;79:1;81:15	73:11
rate (2)	removed (1)	running (1)	send (1)
62:17;63:1	70:2	12:12	12:17
rating (1)	repeating (1)	runs (1)	sending (1)
62:15	55:7	75:15	74:1
reach (1)	replace (1)		seniority (1)
36:17	57:17	${f S}$	45:18
reacted (2)	replaced (2)		sent (2)
65:11;67:3	18:16,17	S2 (22)	66:15;68:21
read (1)	report (8)	7:18;10:3;11:16;13:13;	sentence (1)
66:2	24:18;25:12;26:19;28:4,	14:17;15:1;25:5;39:7,19;	26:19
real-time (2)	15,17;67:3,4	40:9,20;41:8;42:13,17;45:3,	Sergeant (1)
16:3,7	reported (2)	16,19;49:4,21;50:17;57:2;	7:16
reasoning (1)	27:13;29:6	76:1	server (2)
62:4	reports (4)	S6 (1)	11:8,14
recall (14)	37:16,16;66:15;67:8	52:8	servers (1)
14:17;17:8,9,20;20:3;	request (1)	salesmen (1)	10:13
26:6;39:19;40:9,20;41:8;	5:10	44:18	session (1)
73:10;74:1,13;75:21	required (3)	same (2)	6:2
recently (1)	49:12;51:4;56:15	31:17;32:6	set (1)
31:2	research (1)	satellite (1)	20:17
recess (4)	16:17	60:5	seven (1)
5:14,21;6:6;83:17	respect (1)	save (3)	7:12
recessed (3)	82:14	10:21;11:7,7	several (1)
5:16,20;83:19	respond (1) 63:2	saving (2)	39:16
recopied (1)	response (2)	11:4,5	share (2) 49:21;50:2
10:2	38:12;41:11	saying (2) 40:9;74:13	shared (1)
record (3)	responsibilities (1)	scale (2)	14:8
5:19;27:13;30:16	19:2	62:15;63:1	sharing (1)
records (1)	responsibility (4)	SCI (1)	50:11
30:13	45:8,10,17;50:19	49:4	shift (18)
red (1)	responsible (3)	SCIF (4)	17:7,10,13,14,17,19,20;
21:21 Redirect (2)	8:5;46:2;72:20	15:13;51:2;53:3,8	18:1,3,7,10,20;19:4,7,14;
73:16,18	restriction (4)	scratch (1)	20:4,12;45:14
refer (1)	25:4,7;54:11,17	11:10	shifted (1)
31:1	restrictions (8)	scratched (1)	18:13
reference (1)	23:18;48:12,12;54:2,3;	81:8	shifts (1)
39:14	77:13,16;82:13	se (1)	17:5
references (1)	results (1)	46:13	shop (5)
31:11	66:21	search (2)	8:6;34:13;50:17;54:14,18
reflect (1)	resumed (1)	58:20;59:10	shops (1)
5:19	5:17	searched (1)	35:19
regard (3)	review (1)	59:13	short (1)
19:14;25:21;44:2	50:19	Second (3)	71:4
regards (10)	reviewed (1)	5:3;7:17;62:3	shortcut (13)
21:4;23:13;26:5;33:14;	29:1	secret (19)	39:8;40:1,3,4;42:18;74:4;
36:1;42:12;43:13;45:7;	right (11)	24:11;29:19;30:1,1,2,4;	75:13,15;77:12;78:3;80:20;
46:11;74:6	32:19;51:14;54:12;60:18;	32:8;48:17;49:4,9,14,18;	81:2,3
regular (1)	68:12;72:9;74:20;75:9;	50:5;52:1;59:5,8,18;69:13;	shortcuts (2)
24:7	78:12;79:13;80:1	70:4	39:13;40:2
releasable (2)	rights (5)	section (19)	show (1)
50:5,6	28:7;79:11,15,20;82:1	7:18;8:18;11:16;13:14;	35:16
released (2)	route (2)	14:17;15:1,21;25:5;39:7;	showed (3)
31:2,21	28:10,13	40:9,20;41:8;42:17;45:3,17,	64:15;68:3,17

· · · · · · · · · · · · · · · · · · ·			
Showman (1)	22:12,20;24:3,6,8,14;	supply (2)	5:11
34:6	25:2,6;31:7,14;37:7;68:10,	28:10,13	term (6)
shut (1)	13,21;69:15;70:5	supposed (1)	22:3;23:1;47:16;63:18;
44:9	sources (4)	82:6	72:11;76:18
			*
SigAct (7)	30:7;37:8,9;65:2	sure (12)	terms (1)
27:16;28:1,2;29:4;37:16;	Southeast (1)	17:11;19:3,5;32:19,20;	47:4
66:3;70:3	56:9	39:15;47:14;50:10;62:16;	terrible (1)
SigActs (19)	Specialist (4)	73:21;79:7;80:16	11:11
25:15,17;26:6;29:11,15,	18:5;19:8,12;35:21	surgery (2)	testified (9)
19;30:6,12,15;31:6,8,13,17,	specialty (1)	8:12,13	7:4;13:17;49:15;54:16;
20;32:7;63:13,15;69:8,13	7:8	Sustained (1)	60:13;61:16;68:2,20;71:17
Sign (1)	specific (10)	40:13	testifying (2)
56:18	19:21;20:1;21:18,21;	switch (1)	48:12;69:8
single (2)	25:13;30:21;50:14;59:2,4;	18:14	testimony (3)
12:2;66:3	64:4	sworn (1)	72:11;80:16;83:5
SIPR (3)	specifically (1)	7:2	that-an (1)
22:18;51:20;82:16	20:3	symbol (1)	16:9
		38:17	
SIPRnet (29)	specifics (1)		theaters (1)
14:12,13;23:16,19;48:13,	65:8	symbols (1)	66:7
15,18,20;49:1,8,11;51:2,17;	spell (1)	59:1	thinking (1)
52:18;54:3,3,6,13,17,18,21;	33:9	system (8)	33:11
55:5,8,19;56:12;59:7,18;	spots (1)	12:11;53:5;55:12,12;	though (2)
60:6;69:11	64:3	57:8,10,20;59:18	46:4,11
sites (1)	staff (1)	systems (3)	thought (5)
25:6	65:21	35:2,4;72:20	21:14;33:5;37:4;38:13;
size (2)	stage (1)	T	81:20
10:8;26:17	36:4	\mathbf{T}	Three (4)
small (2)	standpoint (4)		5:4;12:8;15:6;66:12
26:8;64:8	29:18;30:12;41:14;46:16	tactics (3)	throughout (2)
socializing (1)	start (2)	17:1;21:6;27:6	53:9;58:8
37:11	11:10;48:11	talk (4)	times (9)
soldier (2)	started (2)	38:14;55:5;57:7;63:5	12:6;15:4;32:18;60:11;
57:1;78:20	17:21;68:16		66:5,6,9,11,12
		talked (2)	
soldiers (13)	States (1)	39:16;78:8	today (1)
10:3;17:1;19:5;23:21;	6:5	talking (5)	73:10
33:9;35:14;45:11,14,18;	station (1)	10:7;26:13;60:18;63:20;	TOK (1)
46:11,20;51:6;66:19	53:6	64:19	28:18
solely (1)	stay (1)	target (1)	told (3)
41:14	32:8	69:4	71:18;74:7;76:5
somebody (2)	step (2)	tasked (1)	took (1)
12:19;42:9			11:10
	19:13;62:12	19:15	
somehow (1)	still (7)	T-Drive (10)	tools (5)
46:4	30:16;31:13,17;36:4;	14:6,7,9,10;22:19;43:20;	60:16,18;61:8,20;63:8
someone (3)	37:1;49:18;67:18	44:2,3,6,20	top (3)
31:1;59:5;67:1	stop (2)	tech (3)	15:12;30:2,4
sometime (1)	49:4;57:2	8:3;68:10,13	trained (1)
42:7	stopped (2)	technically (1)	50:14
sometimes (7)	51:11,13	57:2	training (3)
10:8;12:17,18,19;24:16;	straight (3)	technician (1)	36:12;70:10,13
29:9;37:5	36:19;40:7;81:1	7:9	transport (2)
Somewhat (1)	stuff (5)	techniques (3)	9:9;10:9
39:2	19:17;22:14;32:19;33:18;	17:1;21:6,7	treat (1)
somewhere (1)	81:11	telling (2)	54:20
19:11	submitted (1)	39:19;72:15	treated (2)
SOP (1)	28:17	tells (1)	49:13,18
53:2	sufficient (1)	66:20	Tree (6)
	76:13		58:17,19;59:6,9;61:12;
sorry (2)		temporarily (1)	
6:12;59:3	summary (1)	83:4	63:10
sort (2)	28:21	Temporary (2)	trending (1)
25:4;78:21	supervisor (2)	82:21;83:3	30:20
sought (1)	18:5,6	ten (2)	trends (6)
73:8	supervisors (1)	15:7;63:4	15:20;16:5;20:8,8,15;
source (16)	18:2	ten-minute (1)	31:15
	10.2	(1)	21.10

tried (3)	19:13,16;20:17;28:13,21;	28:11	written (2)
43:3;81:21;82:2	29:9;33:12;35:8;38:17,18;	warrant (2)	28:21;53:2
troops (1)	40:8;44:8;68:3,17;71:4;	7:12,15	wrong (4)
16:10	73:20	watch (1)	11:8;12:16;22:21;27:16
truth (4)	upon (4)	44:14	Ws (1)
7:3,3,4;41:14	11:14;27:19;33:1;36:21	way (4)	47:19
try (3)	uptempo (1)	14:7;30:21;79:5,6	47.17
	19:18		Y
11:12;43:5;44:8		ways (1)	1
trying (3)	use (37)	28:3	
23:9;42:6;69:3	10:11;24:3,8,20;25:1,8;	weak (3)	years (2)
T-SCIF (14)	31:7,13,17;37:7,13;42:1,12;	37:2;61:17,20	7:13;58:8
8:19;9:1;15:5;17:5;	47:16;50:6;56:6;57:4,5;	web (1)	_
43:17;44:15;45:1,4,7,9,10,	58:5,21;59:6;62:18,19;	24:9	0
13;46:19;49:3	63:8;64:6,7,10,11,12,18;	webs (1)	
T-SCIF's (1)	68:20,21;74:3;75:8;76:6;	24:12	09 (4)
9:3	80:21;81:21	websites (1)	17:11,12,13,13
TTP (1)	used (22)	49:1	
65:10	9:5;11:21;16:3,4,7,20;	weeks (2)	1
TTPs (2)	31:20;43:2;46:20;47:4;	29:7,8	•
	57:11;60:2,3,5;63:12,13,13;	1	1 (2)
16:21;65:13		weren't (2)	1 (3)
turn (1)	64:7;65:1;77:5,11;78:11	49:16;82:6	62:15,17;63:1
44:10	useful (1)	WGet (6)	1:45 (1)
turned (1)	30:16	60:21;61:2,5,7,9;76:8	83:18
21:10	user (9)	What's (5)	10 (5)
Twice (2)	42:15,19;44:12;45:4;	58:19;62:2;63:18;77:4,13	62:15,15,16;63:1;67:14
66:12,13	46:21;50:8;75:10;78:5;79:3	Whereupon (1)	1030 (1)
two (10)	USFI (2)	6:21	5:3
12:7;17:6,18;18:21;29:7,	5:5,6	wherever (1)	104 (1)
8;37:7;45:15;73:12;77:9	using (7)	22:20	5:2
two-part (1)	31:2;37:8;41:17;42:14;	whichever (1)	10th (3)
61:21	61:5;62:15;81:7	45:15	7:17;38:3;66:12
type (4)	usually (4)	whole (4)	
33:20;58:15,20;67:21	11:10;12:14;28:4;70:2	7:3;52:21;53:9,12	11:00 (1) 5:15
33.70.38.13.70.07.71		1 /: 1:0/://////////////////////////////	
typed (1)	utilized (1)	Wikileaks (1)	11:03 (1)
typed (1) 59:9	utilized (1) 67:18	Wikileaks (1) 31:21	11:03 (1) 5:16
typed (1) 59:9 types (1)	utilized (1) 67:18 utilizing (3)	Wikileaks (1) 31:21 within (3)	11:03 (1) 5:16 11:20 (1)
typed (1) 59:9	utilized (1) 67:18	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8	11:03 (1) 5:16
typed (1) 59:9 types (1) 67:8	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4)	11:03 (1) 5:16 11:20 (1)
typed (1) 59:9 types (1)	utilized (1) 67:18 utilizing (3)	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8	11:03 (1) 5:16 11:20 (1) 5:17
typed (1) 59:9 types (1) 67:8	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19
typed (1) 59:9 types (1) 67:8	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21)	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1)
typed (1) 59:9 types (1) 67:8 U ultimately (1)	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1)	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4;	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19;	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1)
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8)	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1)	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8,	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5;	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1)	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1)	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1)
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1)	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4)	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20)	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2)
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1)	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21;	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3)	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15;	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1)
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14;	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3)	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15;	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1)
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15 understood (2) 67:20;80:16	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14;	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1) 7:19
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15 understood (2) 67:20;80:16 unit (4)	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16 versus (3) 53:12;71:3;77:7	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14; 34:5,8;47:4,17;51:21; 64:13;65:17	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1) 7:19 2009 (1) 8:10
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15 understood (2) 67:20;80:16 unit (4) 7:20;28:9,12;68:5	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16 versus (3) 53:12;71:3;77:7 video (5)	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14; 34:5,8;47:4,17;51:21; 64:13;65:17 worked (5)	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1) 7:19 2009 (1) 8:10 2010 (1)
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15 understood (2) 67:20;80:16 unit (4) 7:20;28:9,12;68:5 United (1)	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16 versus (3) 53:12;71:3;77:7 video (5) 5:8,9;6:3,7,10	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14; 34:5,8;47:4,17;51:21; 64:13;65:17 worked (5) 15:19;49:3,8;65:16;68:9	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1) 7:19 2009 (1) 8:10 2010 (1) 34:15
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15 understood (2) 67:20;80:16 unit (4) 7:20;28:9,12;68:5 United (1) 6:5	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16 versus (3) 53:12;71:3;77:7 video (5) 5:8,9;6:3,7,10 view (5)	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14; 34:5,8;47:4,17;51:21; 64:13;65:17 worked (5) 15:19;49:3,8;65:16;68:9 working (9)	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1) 7:19 2009 (1) 8:10 2010 (1) 34:15 2011 (1)
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15 understood (2) 67:20;80:16 unit (4) 7:20;28:9,12;68:5 United (1) 6:5 units (1)	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16 versus (3) 53:12;71:3;77:7 video (5) 5:8,9;6:3,7,10 view (5) 6:9;24:19;32:13;33:1;	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14; 34:5,8;47:4,17;51:21; 64:13;65:17 worked (5) 15:19;49:3,8;65:16;68:9 working (9) 6:1;12:15;15:5,18;16:3;	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1) 7:19 2009 (1) 8:10 2010 (1) 34:15 2011 (1) 7:19
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15 understood (2) 67:20;80:16 unit (4) 7:20;28:9,12;68:5 United (1) 6:5 units (1) 38:10	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16 versus (3) 53:12;71:3;77:7 video (5) 5:8,9;6:3,7,10 view (5) 6:9;24:19;32:13;33:1; 70:12	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14; 34:5,8;47:4,17;51:21; 64:13;65:17 worked (5) 15:19;49:3,8;65:16;68:9 working (9) 6:1;12:15;15:5,18;16:3; 18:9;20:21;30:7;46:12	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1) 7:19 2009 (1) 8:10 2010 (1) 34:15 2011 (1) 7:19 21 (4)
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15 understood (2) 67:20;80:16 unit (4) 7:20;28:9,12;68:5 United (1) 6:5 units (1) 38:10 unless (1)	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16 versus (3) 53:12;71:3;77:7 video (5) 5:8,9;6:3,7,10 view (5) 6:9;24:19;32:13;33:1; 70:12 viewer (2)	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14; 34:5,8;47:4,17;51:21; 64:13;65:17 worked (5) 15:19;49:3,8;65:16;68:9 working (9) 6:1;12:15;15:5,18;16:3; 18:9;20:21;30:7;46:12 world (1)	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1) 7:19 2009 (1) 8:10 2010 (1) 34:15 2011 (1) 7:19 21 (4) 17:11,11,13,13
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15 understood (2) 67:20;80:16 unit (4) 7:20;28:9,12;68:5 United (1) 6:5 units (1) 38:10 unless (1) 70:6	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16 versus (3) 53:12;71:3;77:7 video (5) 5:8,9;6:3,7,10 view (5) 6:9;24:19;32:13;33:1; 70:12	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14; 34:5,8;47:4,17;51:21; 64:13;65:17 worked (5) 15:19;49:3,8;65:16;68:9 working (9) 6:1;12:15;15:5,18;16:3; 18:9;20:21;30:7;46:12 world (1) 52:21	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1) 7:19 2009 (1) 8:10 2010 (1) 34:15 2011 (1) 7:19 21 (4) 17:11,11,13,13 210 (6)
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15 understood (2) 67:20;80:16 unit (4) 7:20;28:9,12;68:5 United (1) 6:5 unites (1) 38:10 unless (1) 70:6 unsure (1)	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16 versus (3) 53:12;71:3;77:7 video (5) 5:8,9;6:3,7,10 view (5) 6:9;24:19;32:13;33:1; 70:12 viewer (2) 80:17;81:14	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14; 34:5,8;47:4,17;51:21; 64:13;65:17 worked (5) 15:19;49:3,8;65:16;68:9 working (9) 6:1;12:15;15:5,18;16:3; 18:9;20:21;30:7;46:12 world (1) 52:21 world's (1)	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1) 7:19 2009 (1) 8:10 2010 (1) 34:15 2011 (1) 7:19 21 (4) 17:11,11,13,13 210 (6) 53:19;56:8;58:9;66:11;
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15 understood (2) 67:20;80:16 unit (4) 7:20;28:9,12;68:5 United (1) 6:5 unites (1) 38:10 unless (1) 70:6 unsure (1) 47:12	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16 versus (3) 53:12;71:3;77:7 video (5) 5:8,9;6:3,7,10 view (5) 6:9;24:19;32:13;33:1; 70:12 viewer (2)	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14; 34:5,8;47:4,17;51:21; 64:13;65:17 worked (5) 15:19;49:3,8;65:16;68:9 working (9) 6:1;12:15;15:5,18;16:3; 18:9;20:21;30:7;46:12 world (1) 52:21 world's (1) 62:16	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1) 7:19 2009 (1) 8:10 2010 (1) 34:15 2011 (1) 7:19 21 (4) 17:11,11,13,13 210 (6)
typed (1) 59:9 types (1) 67:8 U ultimately (1) 50:11 unclassified (8) 20:11;21:3;33:20;53:5; 69:17,18;70:2,6 unclassify (1) 31:15 under (1) 77:15 understood (2) 67:20;80:16 unit (4) 7:20;28:9,12;68:5 United (1) 6:5 unites (1) 38:10 unless (1) 70:6 unsure (1)	utilized (1) 67:18 utilizing (3) 35:2;60:15;61:20 V variations (1) 59:1 various (1) 78:9 vented (1) 37:6 verdict (4) 5:2,3,4,6 version (3) 78:11,14,16 versus (3) 53:12;71:3;77:7 video (5) 5:8,9;6:3,7,10 view (5) 6:9;24:19;32:13;33:1; 70:12 viewer (2) 80:17;81:14	Wikileaks (1) 31:21 within (3) 32:7;45:16;53:8 without (4) 39:12;55:6;62:14;72:17 witness (21) 7:2;26:2;41:21;48:4; 76:10,16,16;77:2,15,19; 80:19;81:1,5,8,17;82:2,5,8, 17;83:8,10 words (1) 57:19 work (20) 8:15;12:4;15:17,21; 16:20;19:16;20:3;24:15; 25:2;31:15;32:11;33:2,14; 34:5,8;47:4,17;51:21; 64:13;65:17 worked (5) 15:19;49:3,8;65:16;68:9 working (9) 6:1;12:15;15:5,18;16:3; 18:9;20:21;30:7;46:12 world (1) 52:21 world's (1)	11:03 (1) 5:16 11:20 (1) 5:17 12:15 (1) 83:19 1345 (1) 83:17 15 (1) 83:14 2 20 (2) 6:1;11:10 2008 (1) 7:19 2009 (1) 8:10 2010 (1) 34:15 2011 (1) 7:19 21 (4) 17:11,11,13,13 210 (6) 53:19;56:8;58:9;66:11;

	3		
	3	_	
3rd (1)			
3rd (1) 68:7			
00.7		-	
	5		
		-	
(1)			
5 (1) 62:21 50 (1) 26:20			
50 (1)			
26:20			
20.20		-	
	6		
		-	
(0 (1)			
60 (1) 26:20			
20.20			
41 (1) 5:4			
J. +		-	
	8		
	U		
2 (1)			
2 (1) 68:7 2nd (1) 68:6			
08:/ 2 J (1)			
2NG (1)			
08:0			